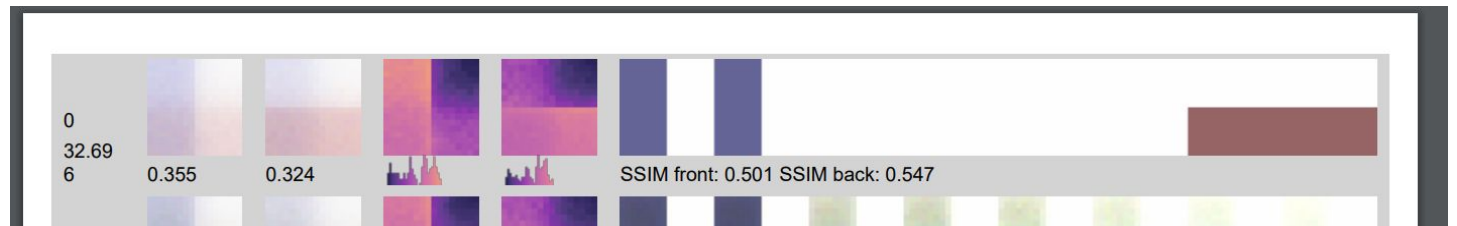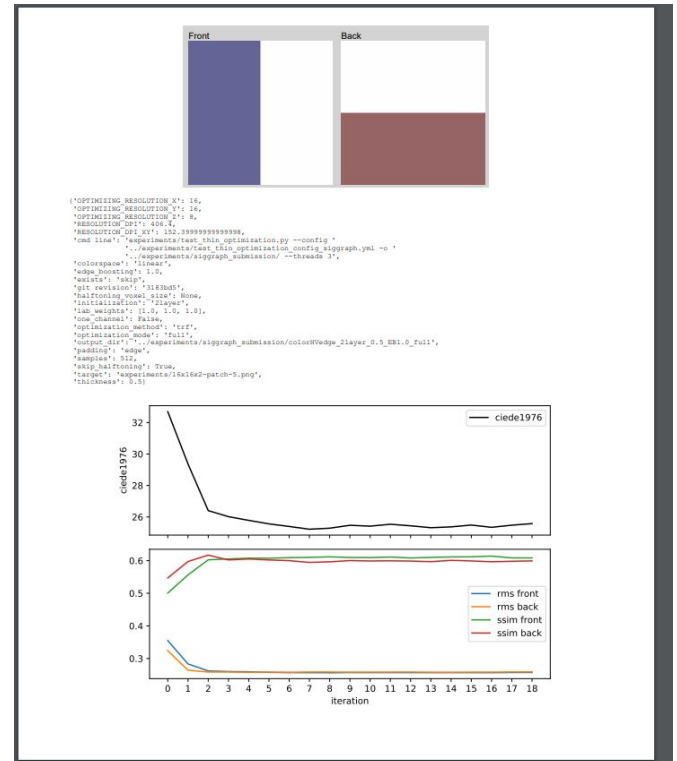# README for Reports

A report shows one run of a (full) optimization.

On the first page, the target for front (and back) is shown on the top.

After a dump of all the input parameters, two plots show the convergence.

1. A plot of CIE dE76 (CIELAB) independent of the optimized metric
2. A plot of RMS (lower better) and SSIM (higher better) for front and back separately

Starting from the second page, the individual iterations are shown in rows.
Columns from left to right show:
1. Iteration number and CIE dE76 error value
2. Front rendering with front RMS
3. Back rendering with back RMS
4. Front CIE dE76 Error Map with histogram underneath (width is normalized to an error value of 100)
5. Back CIE dE76 Error Map with histogram underneath (width is normalized to an error value of 100)
6. Layers of the volume next to each other from front to back. SSIM values underneath