In[42]:=
$$CS_r[t\_] = \begin{cases} 3000 & t < 10\,000 \\ 3000 - 3\,(t - 10\,000) & t \geq 10\,000 \end{cases};$$

$$CS_g[t\_] = \begin{cases} 6000 - \frac{6000}{6300}\,t & t < 6000 \\ 300 & 6000 \leq t < 10\,000 \\ 300 - 0.3\,(t - 10\,000) & t \geq 1000 \end{cases};$$

$$CS_b[t\_] = \begin{cases} 100 + \frac{2000}{2100}\,t & t < 2000 \\ 2000 & 2000 \leq t < 10\,000 \\ 2000 - 2\,(t - 10\,000) & t \geq 1000 \end{cases};$$

In[50]:=
```
Plot[{CS_r[t], CS_g[t], CS_b[t]}, {t, 0, 10 000}, PlotStyle → {Red, Green, Blue},
 PlotRange → {0, 6000}, AxesLabel → {"time (ms)", "Cycle Period (ms)"}]
```

Out[50]=