Converting Colors

RYB(150, 180, 210)

Have a look what the booklet for RYB(150, 180, 210) contains.

Color

RYB(150, 180, 210)

Conversions

Conversions Part 1

Format	Color
Hex	96D2D2
RGB	150, 210, 210
RGB Percent	59%, 82%, 82%
CMY	0.4118, 0.1765, 0.1765
CMYK	0.29, 0.00, 0.00, 0.18
HSL	180°, 40%, 71%
HSV	180°, 29%, 82%
XYZ	47.2571, 57.2304, 69.5286
YIQ	192.0600, -35.7600, -12.7200

Conversions

Conversions Part 2

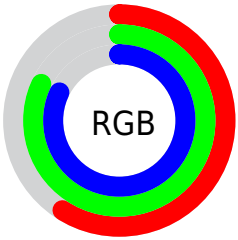
Format	Color
RYB	150, 180, 210
Decimal	9884370
CIELab	80.31, -19.02, -6.18
CIELCh	80, 19.995, 197.990
Yxy	57.2304, 0.2716, 0.3289
Android (android.graphics.Color)	4288074450 (0xFF96D2D2)
YUV	192.0600, 8.8444, -36.8866
Hunter-Lab	75.6508, -20.8843, -1.5364

Details

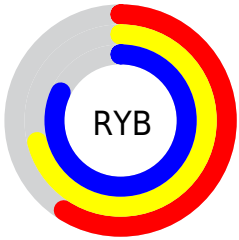
The RYB color 150, 180, 210 is a light color, and the websafe version is hex 99CCCC. A complement of this color would be 210, 150, 150, and the grayscale version is 192, 192, 192.

A 20% lighter version of the original color is 206, 231, 255, and 97, 126, 156 is the 20% darker color. If you saturate the color by 10%, you get 129, 170, 210, and if you desaturate by 10%, it is 171, 191, 210.

Distribution

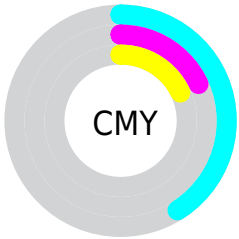


- Red (59%)
- Green (82%)
- Blue (82%)



- Red (59%)
- Yellow (71%)
- Blue (82%)

- Cyan (29%)
- Magenta (0%)
- Yellow (0%)
- Black (18%)



- Cyan (41%)
- Magenta (18%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the RYB color 150, 180, 210 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the RYB color 150, 180, 210 by changing the saturation by 10% instead.

150, 180, 210

255, 255, 255

206, 231, 255

235, 245, 255

150, 180, 210

123, 153, 182

97, 126, 156

70, 100, 130

44, 74, 104

13, 47, 80

0, 28, 58

0, 18, 36

0, 3, 15

0, 0, 0

150, 180, 210	150, 180, 210
129, 170, 210	171, 191, 210
108, 159, 210	192, 201, 210
87, 149, 210	213, 210, 210
66, 138, 210	234, 210, 210
45, 128, 210	255, 210, 210
24, 117, 210	
3, 107, 210	
0, 105, 210	

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.

161, 191, 210

150, 180, 210

152, 184, 226

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.

150, 180, 210

216, 191, 224

210, 221, 163

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.

150, 180, 210

210, 150, 150

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.

234, 197, 172

150, 180, 210

232, 187, 208

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.

150, 180, 210

193, 197, 235

239, 186, 188

164, 202, 164

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.

150, 180, 210

162, 189, 233

239, 186, 188

226, 217, 165

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.

150, 180, 210

232, 244, 255

150, 210, 210

113, 121, 128

0, 0, 0

128, 128, 128

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.

150, 180, 210

168, 212, 255

150, 170, 210

94, 100, 105

0, 84, 168

0, 21, 41

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.

210, 150, 210

255, 168, 255

210, 210, 150

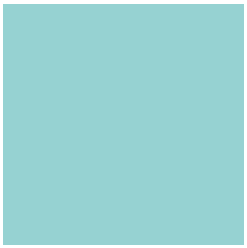
105, 94, 105

168, 0, 168

41, 0, 41

Previews

White Background

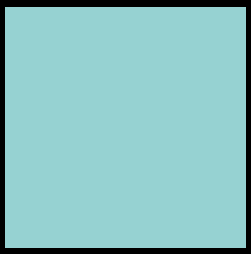


This preview shows how the RYB color 150, 180, 210 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail
Any Text WCAG AA × Fail
Large Text (above 18pt) WCAG AAA × Fail
Any Text WCAG AAA × Fail

Black Background



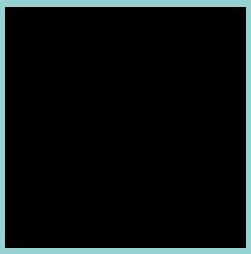
This preview shows how the RYB color 150, 180, 210 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass
Any Text WCAG AA ✓ Pass
Large Text (above 18pt) WCAG AAA ✓ Pass
Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the Color Contrast Checker.

RYB 150, 180, 210 Background



This preview shows how black text looks on a background with the RYB color 150, 180, 210.

This preview shows how white text looks on a background with the RYB color 150, 180, 210.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their article about color blindness.

Dichromacy

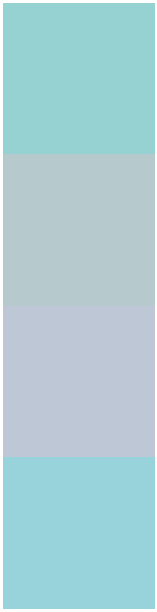
Original Color
150, 180, 210

Protanopia
201, 197, 203

Deuteranopia
211, 193, 214

Tritanopia
153, 184, 224

Trichromacy



Original Color
150, 180, 210

Protanomaly
182, 193, 206

Deuteranomaly
189, 196, 213

Tritanomaly
152, 183, 219

Monochromacy

Original Color
150, 180, 210

Achromatopsia
192, 192, 192

Achromatomaly
177, 188, 199

CSS Examples

Text

The CSS property to change the color of the text to RYB 150, 180, 210 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color rgb(150, 210, 210) looks like.

```
.text, #text, p{
    color:rgb(150, 210, 210)
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our CSS Text Shadow Generator.

Here you see how black text with a 4 pixel rgb(150, 210, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 210, 210) }
```

Border

The CSS property to change the border of an element to RYB 150, 180, 210 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(150, 210, 210) }
```

If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(150, 210, 210) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(150, 210, 210) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(150, 210, 210); -webkit-box-shadow:4px 4px 4px 4px rgb(150, 210, 210); box-shadow:4px 4px 4px 4px rgb(150, 210, 210) }
```

Background

The CSS property to change the background color of an element to RYB 150, 180, 210 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(150, 210, 210) }
```

If only the background color should be changed can be used:

```
.background{ background-color:rgb(150,
210, 210) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our online CSS compressor and optimizer based on csstidy. If you want to create a linear or radial gradient as background or border, check our CSS Gradient Generator.

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