Converting Colors

RYB(31, 130, 241)

Have a look what the booklet for RYB(31, 130, 241) contains.

Color

RYB(31, 130, 241)

Conversions

Conversions Part 1

Format	Color
Hex	1FDAF1
RGB	31, 218, 241
RGB Percent	12%, 85%, 95%
CMY	0.8784, 0.1439, 0.0549
CMYK	0.87, 0.09, 0.00, 0.05
HSL	186°, 88%, 53%
HSV	186°, 87%, 95%
XYZ	41.5908, 56.9393, 92.0174
YIQ	164.7090, -118.8350, -32.4910

Conversions

Conversions Part 2

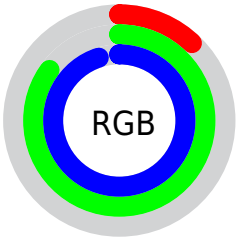
Format	Color
RYB	31, 130, 241
Decimal	2087665
CIELab	80.15, -34.82, -23.32
CIELCh	80, 41.911, 213.811
Yxy	56.9393, 0.2183, 0.2988
Android (android.graphics.Color)	4280277745 (0xFF1FDAF1)
YUV	164.7090, 37.6115, -117.2628
Hunter-Lab	75.4581, -33.6666, -19.4805

Details

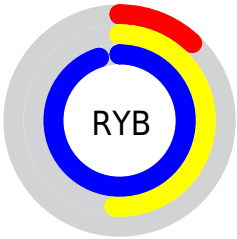
The RYB color 31, 130, 241 is a light color, and the websafe version is hex 33CCCC. The color can be described as light washed cyan. A complement of this color would be 241, 57, 31, and the grayscale version is 165, 165, 165.

A 20% lighter version of the original color is 120, 188, 255, and 0, 87, 185 is the 20% darker color. If you saturate the color by 10%, you get 7, 117, 241, and if you desaturate by 10%, it is 55, 143, 241.

Distribution

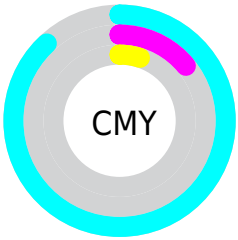


- Red (12%)
- Green (85%)
- Blue (95%)



- Red (12%)
- Yellow (51%)
- Blue (95%)

- Cyan (87%)
- Magenta (9%)
- Yellow (0%)
- Black (5%)



- Cyan (88%)
- Magenta (14%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the RYB color 31, 130, 241 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 31, 130, 241 by changing the saturation by 10% instead.

31, 130, 241	31, 130, 241
255, 255, 255	0, 100, 213
120, 188, 255	0, 87, 185
154, 205, 255	0, 73, 158
186, 221, 255	0, 60, 132
218, 237, 255	0, 47, 107
250, 253, 255	0, 35, 82
	0, 24, 59
	0, 3, 38
	0, 1, 15

31, 130, 241

7, 117, 241

0, 114, 241

31, 130, 241

55, 143, 241

79, 156, 241

103, 168, 241

127, 181, 241

151, 193, 241

176, 207, 241

200, 219, 241

224, 232, 241

248, 242, 241

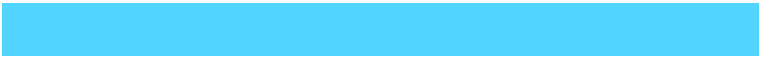
Harmonies

Analogous

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

77, 153, 220

31, 130, 241



81, 156, 255

Triad

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

31, 130, 241

252, 174, 234

148, 220, 120

Complementary

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

31, 130, 241

241, 57, 31

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.

253, 228, 129

31, 130, 241

255, 168, 195

Square

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

31, 130, 241

210, 187, 255

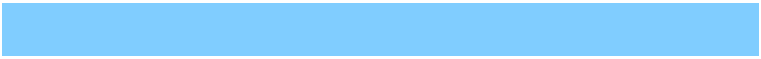
255, 176, 157

132, 209, 163

Rectangle

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

31, 130, 241



128, 176, 255

255, 176, 157

179, 232, 121

Sweetspot

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

31, 130, 241

189, 220, 255

31, 222, 241

88, 107, 128

0, 0, 0

128, 128, 128

Same Dimension

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

31, 130, 241

0, 120, 255

31, 91, 241

108, 114, 120

0, 87, 184

0, 26, 56

Inverse Universe

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

241, 31, 218

255, 0, 227

171, 241, 31

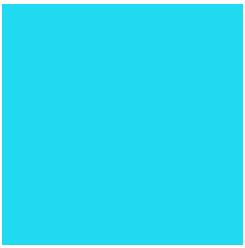
120, 108, 119

184, 0, 164

56, 0, 50

Previews

White Background

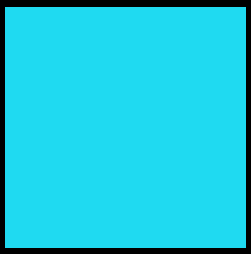


This preview shows how the RYB color 31, 130, 241 looks on a white background.

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 31, 130, 241 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 31, 130, 241 Background

This preview shows how black text looks on a background with the RYB color 31, 130, 241.

This preview shows how white text looks on a background with the RYB color 31, 130, 241.

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

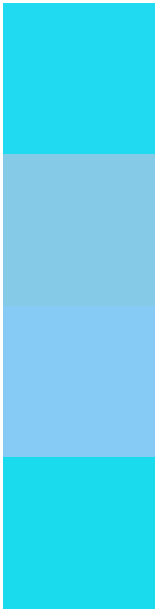
Original Color
31, 130, 241

Protanopia
192, 195, 226

Deuteranopia
191, 193, 247

Tritanopia
23, 125, 237

Trichromacy



Original Color
31, 130, 241

Protanomaly
133, 174, 231

Deuteranomaly
133, 176, 245

Tritanomaly
26, 127, 238

Monochromacy

Original Color
31, 130, 241

Achromatopsia
165, 165, 165

Achromatomaly
116, 152, 193

CSS Examples

Text

The CSS property to change the color of the text to RYB 31, 130, 241 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(31, 218, 241) looks like.

```
.text, #text, p{
    color:rgb(31, 218, 241)
}
```

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(31, 218, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(31, 218, 241) }
```

Border

The CSS property to change the border of an element to RYB 31, 130, 241 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(31, 218, 241) }
```

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

```
.border{ border-color:rgb(31, 218, 241) }
```

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

Here you see how a box with a 4 pixel rgb(31, 218, 241) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(31, 218, 241); -webkit-box-shadow:4px 4px 4px 4px rgb(31, 218, 241); box-shadow:4px 4px 4px 4px rgb(31, 218, 241) }
```

Background

The CSS property to change the background color of an element to RYB 31, 130, 241 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(31, 218, 241) }
```

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

```
.background{ background-color:rgb(31, 218, 241) }
```

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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