

Converting Colors

`RYB(31, 135, 242)`

Have a look what the booklet for
RYB(31, 135, 242) contains.

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Color

R_YB(31, 135, 242)

Conversions

Conversions Part 1

Format	Color
Hex	1FECF2
RGB	31, 236, 242
RGB Percent	12%, 93%, 95%
CMY	0.8784, 0.0742, 0.0510
CMYK	0.87, 0.02, 0.00, 0.05
HSL	182°, 89%, 54%
HSV	182°, 87%, 95%
XYZ	46.6118, 66.7415, 94.4301
YIQ	175.3890, -124.1060, -41.5940

Conversions

Conversions Part 2

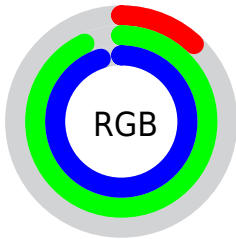
Format	Color
R _Y B	31, 135, 242
Decimal	2092274
CIE Lab	85.37, -42.66, -15.95
CIE LCh	85, 45.541, 200.497
Yxy	66.7415, 0.2243, 0.3212
Android (android.graphics.Color)	4280282354 (0xFF1FECF2)
YUV	175.3890, 32.8392, -126.6292
Hunter-Lab	81.6954, -41.1229, -11.3453

Details

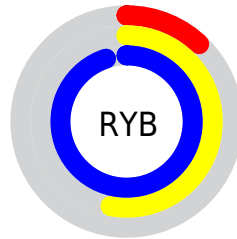
The RYB color **31, 135, 242** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light washed cyan. A complement of this color would be **242, 37, 31**, and the grayscale version is **175, 175, 175**.

A 20% lighter version of the original color is **123, 189, 255**, and **0, 91, 186** is the 20% darker color. If you saturate the color by 10%, you get **7, 123, 242**, and if you desaturate by 10%, it is **55, 147, 242**.

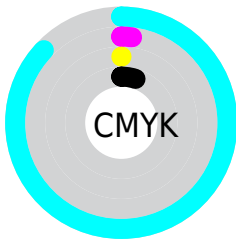
Distribution



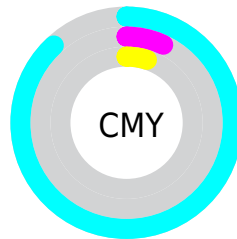
- Red (12%)
- Green (93%)
- Blue (95%)



- Red (12%)
- Yellow (53%)
- Blue (95%)



- Cyan (87%)
- Magenta (2%)
- Yellow (0%)
- Black (5%)




















- Cyan (88%)
- Magenta (7%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the RYB color 31, 135, 242 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, 135, 242 by changing the saturation by 10% instead.

 31, 135, 242	 31, 135, 242
 255, 255, 255	 0, 105, 214
 123, 189, 255	 0, 91, 186
 157, 206, 255	 0, 78, 159
 190, 223, 255	 0, 65, 133
 222, 239, 255	 0, 52, 108
 254, 255, 255	 0, 39, 83
	 0, 28, 60
	 0, 17, 39
	 0, 1, 18

■ 31, 135, 242

■ 31, 135, 242

■ 7, 123, 242

■ 55, 147, 242

■ 0, 119, 242

■ 79, 159, 242

■ 104, 172, 242

■ 128, 184, 242

■ 152, 196, 242

■ 176, 208, 242

■ 200, 221, 242

■ 225, 234, 242

■ 249, 242, 242

Harmonies

Analogous

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



105, 181, 235



31, 135, 242



38, 140, 255

Triad

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



31, 135, 242



254, 192, 255



206, 254, 128

Complementary

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



31, 135, 242



242, 37, 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.



255, 219, 149



31, 135, 242



255, 181, 229

Square

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



31, 135, 242



198, 206, 255



255, 181, 185



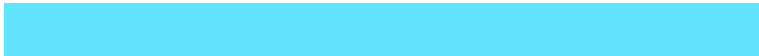
131, 220, 139

Rectangle

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



31, 135, 242



98, 169, 255



255, 181, 185



230, 255, 133

Sweetspot

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



31, 135, 242



189, 221, 255



31, 238, 242



88, 107, 128



0, 0, 0



128, 128, 128

Same Dimension

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



31, 135, 242



0, 126, 255



31, 100, 242



108, 114, 120



0, 90, 184



0, 28, 56

Inverse Universe

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



242, 31, 236



255, 0, 248



228, 242, 31



120, 108, 120



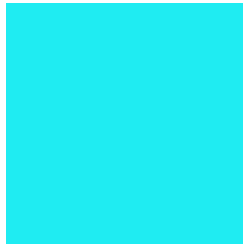
184, 0, 178



56, 0, 55

Previews

White Background



This preview shows how the RYB color 31, 135, 242 looks on a white background.

Color Contrast Check

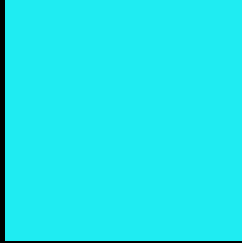
Large Text (above 18pt) WCAG AA × Fail

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, 135, 242 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

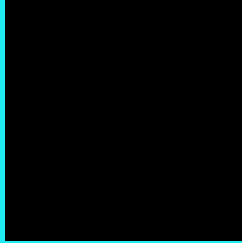
Any Text WCAG AA ✓ Pass

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, 135, 242 Background



This preview shows how black text looks on a background with the RYB color 31, 135, 242.

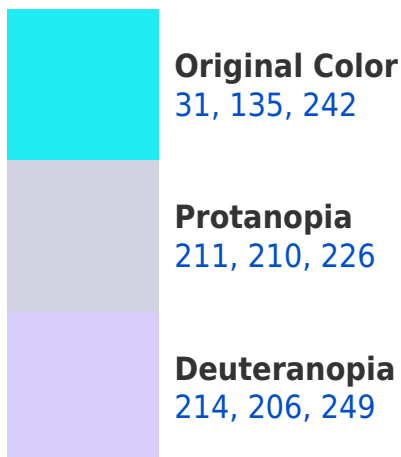


This preview shows how white text looks on a background with the RYB color 31, 135, 242.

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





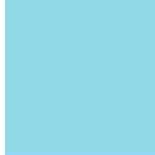
Tritanopia
46, 145, 253

Trichromacy



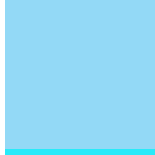
Original Color

31, 135, 242



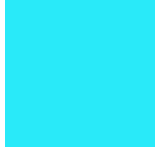
Protanomaly

146, 185, 232



Deuteranomaly

147, 188, 246



Tritanomaly

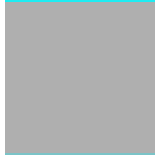
41, 141, 249

Monochromacy



Original Color

31, 135, 242



Achromatopsia

175, 175, 175



Achromatomaly

123, 160, 199

CSS Examples

Text

The CSS property to change the color of the text to RYB 31, 135, 242 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, 236, 242)` looks like.

```
.text, #text, p{  
    color:rgb(31, 236, 242)  
}
```

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, 236, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(31, 236, 242) }
```

Border

The CSS property to change the border of an element to RYB 31, 135, 242 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, 236, 242) }
```

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

```
.border{ border-color:rgb(31, 236, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(31, 236, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(31, 236, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(31, 236, 242);  
box-shadow:4px 4px 4px 4px rgb(31, 236,  
242) }
```

Background

The CSS property to change the background color of an element to RGB 31, 135, 242 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(31, 236, 242) }
```

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

```
.background{ background-color: rgb(31, 236,  
242) }
```

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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