

Converting Colors

`RYB(31, 206, 242)`

Have a look what the booklet for
RYB(31, 206, 242) contains.

RYB(31, 206, 242)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

RYB(31, 206, 242)

Conversions

Conversions Part 1

Format	Color
Hex	1FF24A
RGB	31, 242, 74
RGB Percent	12%, 95%, 29%
CMY	0.8784, 0.0510, 0.7082
CMYK	0.87, 0.00, 0.69, 0.05
HSL	132°, 89%, 54%
HSV	132°, 87%, 95%
XYZ	33.5670, 64.2955, 17.1916
YIQ	159.7590, -71.8280, -96.9800

Conversions

Conversions Part 2

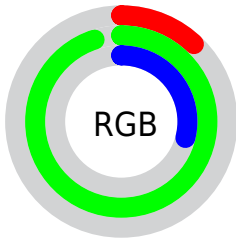
Format	Color
R _Y B	31, 206, 242
Decimal	2093642
CIE Lab	84.12, -78.13, 64.52
CIE LCh	84, 101.325, 140.448
Yxy	64.2955, 0.2917, 0.5588
Android (android.graphics.Color)	4280283722 (0xFF1FF24A)
YUV	159.7590, -42.2792, -112.9216
Hunter-Lab	80.1845, -65.5988, 43.4173

Details

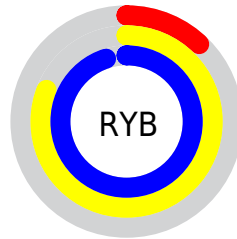
The RYB color **31, 206, 242** is a dark color, and the websafe version is hex **33FF66**. The color can be described as dark washed green. A complement of this color would be **242, 31, 199**, and the grayscale version is **160, 160, 160**.

A 20% lighter version of the original color is **121, 246, 255**, and **0, 184, 184** is the 20% darker color. If you saturate the color by 10%, you get **7, 202, 242**, and if you desaturate by 10%, it is **55, 210, 242**.

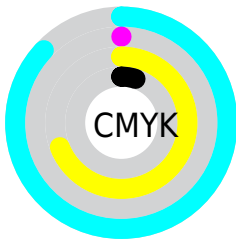
Distribution



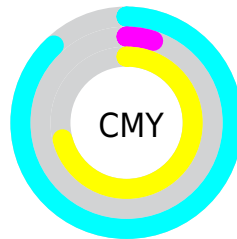
- Red (12%)
- Green (95%)
- Blue (29%)



- Red (12%)
- Yellow (81%)
- Blue (95%)



- Cyan (87%)
- Magenta (0%)
- Yellow (69%)
- Black (5%)




















- Cyan (88%)
- Magenta (5%)
- Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the RYB color 31, 206, 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, 206, 242 by changing the saturation by 10% instead.

 31, 206, 242	 31, 206, 242
 255, 255, 255	 0, 177, 213
 121, 246, 255	 0, 184, 184
 154, 250, 255	 0, 156, 156
 187, 254, 255	 0, 129, 129
 217, 255, 253	 0, 102, 102
 246, 255, 250	 0, 76, 76
	 0, 51, 51
	 0, 23, 23
	 0, 0, 0

■ 31, 206, 242

■ 31, 206, 242

■ 7, 202, 242

■ 55, 210, 242

■ 0, 201, 242

■ 79, 214, 242

■ 104, 219, 242

■ 128, 223, 242

■ 152, 226, 242

■ 176, 230, 242

■ 200, 235, 242

■ 225, 239, 242

■ 249, 242, 247

Harmonies

Analogous

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



0, 225, 36



31, 206, 242



0, 147, 250

Triad

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



31, 206, 242



0, 121, 255



255, 106, 149

Complementary

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



31, 206, 242



242, 31, 199

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, 104, 245



31, 206, 242



129, 174, 255

Square

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



31, 206, 242



0, 125, 255



255, 150, 255



255, 234, 58

Rectangle

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



31, 206, 242



0, 129, 252



255, 150, 255



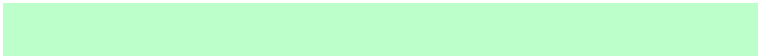
255, 98, 181

Sweetspot

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



31, 206, 242



189, 244, 255



31, 242, 73



88, 121, 128



0, 0, 0



128, 128, 128

Same Dimension

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



31, 206, 242



0, 212, 255



31, 155, 242



108, 118, 120



0, 153, 184



0, 46, 56

Inverse Universe

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



242, 31, 199



255, 0, 203



242, 31, 94



120, 108, 117



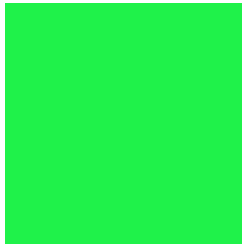
184, 0, 146



56, 0, 45

Previews

White Background



This preview shows how the RYB color 31, 206, 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, 206, 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](#).

RGB 31, 206, 242 Background



This preview shows how black text looks on a background with the RGB color 31, 206, 242.

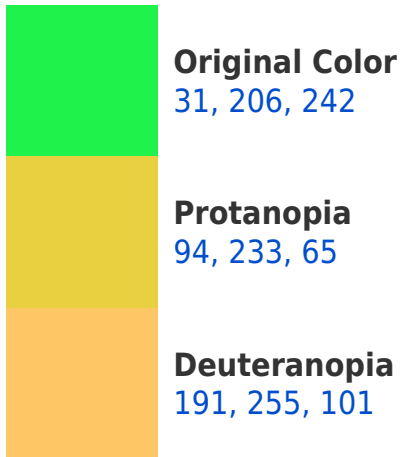


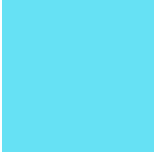
This preview shows how white text looks on a background with the RGB color 31, 206, 242.

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](#).

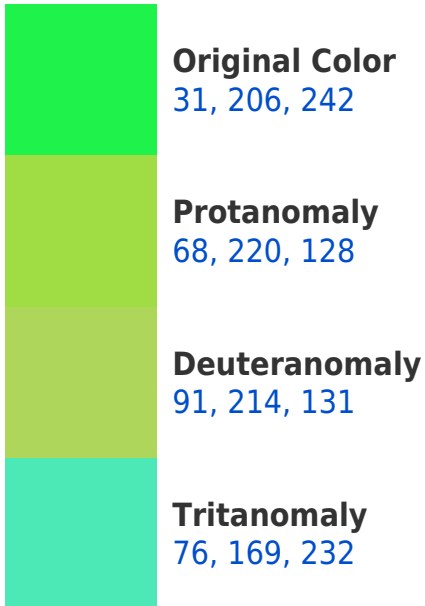
Dichromacy



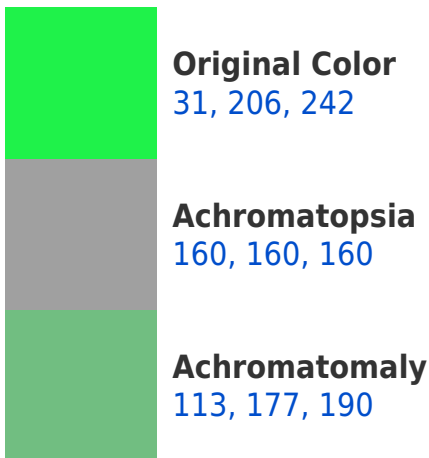


Tritanopia
102, 168, 244

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to RYB 31, 206, 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, 242, 74)` looks like.

```
.text, #text, p{  
    color:rgb(31, 242, 74)  
}
```

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, 242, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(31, 242, 74) }
```

Border

The CSS property to change the border of an element to RYB 31, 206, 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, 242, 74) }
```

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

```
.border{ border-color:rgb(31, 242, 74) }
```

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

Here you see how a box with a 4 pixel rgb(31, 242, 74) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(31, 242, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(31, 242, 74);  
box-shadow:4px 4px 4px 4px rgb(31, 242,  
74) }
```

Background

The CSS property to change the background color of an element to RGB 31, 206, 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, 242, 74) }
```

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

```
.background{ background-color: rgb(31, 242,  
74) }
```

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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