

Converting Colors

RYB(31, 255, 6)

Have a look what the booklet for
RYB(31, 255, 6) contains.

RYB(31, 255, 6)	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

R_YB(31, 255, 6)

Conversions

Conversions Part 1

Format	Color
Hex	FFE806
RGB	255, 232, 6
RGB Percent	100%, 91%, 2%
CMY	0.0000, 0.0891, 0.9765
CMYK	0.00, 0.09, 0.98, 0.00
HSL	55°, 100%, 51%
HSV	55°, 98%, 100%
XYZ	70.2087, 79.1447, 11.7484
YIQ	213.1130, 86.2540, -65.4100

Conversions

Conversions Part 2

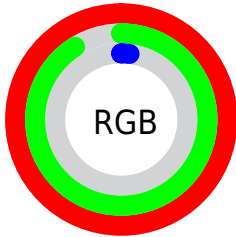
Format	Color
R _Y B	31, 255, 6
Decimal	16771078
CIE Lab	91.30, -10.52, 89.79
CIE LCh	91, 90.399, 96.681
Yxy	79.1447, 0.4358, 0.4913
Android (android.graphics.Color)	4294961158 (0xFFFFE806)
YUV	213.1130, -102.1067, 36.7349
Hunter-Lab	88.9633, -14.8160, 54.4446

Details

The RYB color **31, 255, 6** is a light color, and the websafe version is hex **FFFF33**. The color can be described as light saturated yellow. A complement of this color would be **6, 27, 255**, and the grayscale version is **214, 214, 214**.

A 20% lighter version of the original color is **93, 255, 93**, and **17, 193, 0** is the 20% darker color. If you saturate the color by 10%, you get **25, 255, 0**, and if you desaturate by 10%, it is **53, 255, 31**.

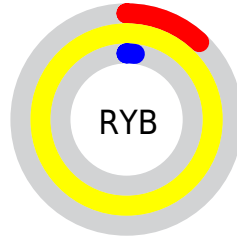
Distribution



Red (100%)

Green (91%)

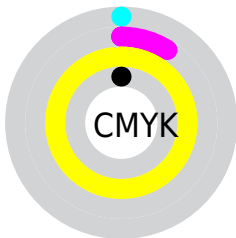
Blue (2%)



Red (12%)

Yellow (100%)

Blue (2%)

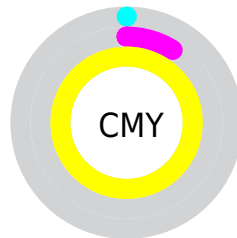


Cyan (0%)

Magenta (9%)

Yellow (98%)

Black (0%)



Cyan (0%)


















Magenta (9%)

Yellow (98%)

Brightness & Saturation Gradients

These gradients show how the RYB color 31, 255, 6 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, 255, 6 by changing the saturation by 10% instead.

 31, 255, 6	 31, 255, 6
255, 255, 255	 22, 224, 0
 93, 255, 93	 17, 193, 0
 124, 255, 124	 13, 163, 0
 154, 255, 154	 10, 134, 0
 183, 255, 183	 5, 105, 0
 213, 255, 213	 0, 77, 0
 244, 255, 244	 0, 54, 4
	 0, 33, 7
	 0, 9, 9

■ 31, 255, 6

■ 31, 255, 6

■ 25, 255, 0

■ 53, 255, 31

■ 77, 255, 57

■ 101, 255, 83

■ 122, 255, 108

■ 146, 255, 134

■ 169, 255, 159

■ 192, 255, 185

■ 214, 255, 210

■ 237, 255, 235

Harmonies

Analogous

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



135, 255, 59



31, 255, 6



76, 254, 167

Triad

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



31, 255, 6



0, 128, 255



255, 160, 255

Complementary

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



31, 255, 6



6, 27, 255

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, 198, 255



31, 255, 6



0, 128, 255

Square

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



31, 255, 6



0, 129, 255



0, 122, 255



255, 143, 214

Rectangle

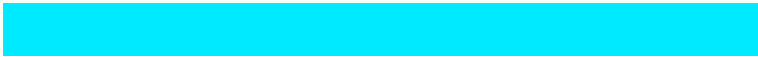
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



31, 255, 6



58, 203, 255



0, 122, 255



255, 172, 255

Sweetspot

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



31, 255, 6



189, 255, 181



255, 6, 31



89, 128, 83



0, 0, 0



128, 128, 128

Same Dimension

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



31, 255, 6



25, 255, 0



6, 255, 106



117, 128, 115



19, 191, 0



7, 64, 0

Inverse Universe

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



6, 27, 255



0, 21, 255



106, 6, 255



115, 116, 128



0, 16, 191



0, 5, 64

Previews

White Background



This preview shows how the RYB color 31, 255, 6 looks on a white background.

Color Contrast Check

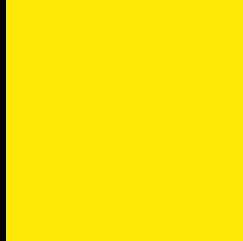
Large Text (above 18pt) WCAG AA × Fail

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, 255, 6 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, 255, 6 Background



This preview shows how black text looks on a background with the RYB color 31, 255, 6.



This preview shows how white text looks on a background with the RYB color 31, 255, 6.

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, 255, 6

Protanopia
129, 255, 101

Deuteranopia
236, 255, 186



Tritanopia
255, 221, 232

Trichromacy



Original Color

31, 255, 6



Protanomaly

93, 255, 66



Deuteranomaly

155, 255, 121



Tritanomaly

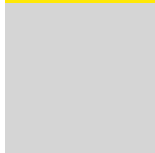
192, 255, 150

Monochromacy



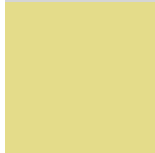
Original Color

31, 255, 6



Achromatopsia

213, 213, 213



Achromatomaly

147, 228, 138

CSS Examples

Text

The CSS property to change the color of the text to RYB 31, 255, 6 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(255, 232, 6)` looks like.

```
.text, #text, p{  
    color:rgb(255, 232, 6)  
}
```

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(255, 232, 6) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 232, 6) }
```

Border

The CSS property to change the border of an element to RYB 31, 255, 6 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(255, 232, 6) }
```

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

```
.border{ border-color:rgb(255, 232, 6) }
```

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

Here you see how a box with a 4 pixel rgb(255, 232, 6) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 232, 6); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 232, 6);  
box-shadow:4px 4px 4px 4px rgb(255, 232,  
6) }
```

Background

The CSS property to change the background color of an element to RGB 31, 255, 6 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 232, 6) }
```

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

```
.background{ background-color: rgb(255,  
232, 6) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor