

Converting Colors

`RYB(18, 227, 18)`

Have a look what the booklet for
RYB(18, 227, 18) contains.

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Color

RYB(18, 227, 18)

Conversions

Conversions Part 1

Format	Color
Hex	E3E312
RGB	227, 227, 18
RGB Percent	89%, 89%, 7%
CMY	0.1098, 0.1098, 0.9294
CMYK	0.00, 0.00, 0.92, 0.11
HSL	60°, 85%, 48%
HSV	60°, 92%, 89%
XYZ	59.2568, 71.3127, 11.2138
YIQ	203.1740, 67.0890, -64.9990

Conversions

Conversions Part 2

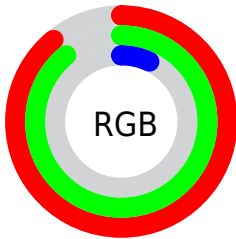
Format	Color
RYB	18, 227, 18
Decimal	14934802
CIELab	87.64, -19.57, 84.94
CIELCh	88, 87.162, 102.975
Yxy	71.3127, 0.4179, 0.5030
Android (android.graphics.Color)	4293124882 (0xFFE3E312)
YUV	203.1740, -91.2908, 20.8954
Hunter-Lab	84.4469, -22.5276, 51.2396

Details

The RYB color **18, 227, 18** is a light color, and the websafe version is hex **CCCC00**. The color can be described as light washed yellow. A complement of this color would be **18, 18, 227**, and the grayscale version is **204, 204, 204**.

A 20% lighter version of the original color is **95, 255, 95**, and **0, 172, 5** is the 20% darker color. If you saturate the color by 10%, you get **0, 227, 0**, and if you desaturate by 10%, it is **41, 227, 41**.

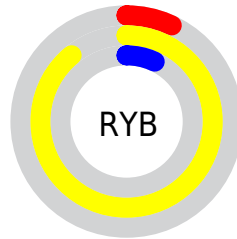
Distribution



Red (89%)

Green (89%)

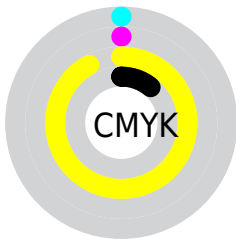
Blue (7%)



Red (7%)

Yellow (89%)

Blue (7%)

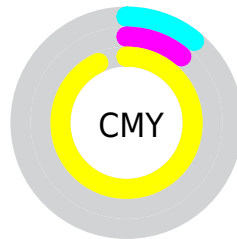


Cyan (0%)

Magenta (0%)

Yellow (92%)

Black (11%)



Cyan (11%)


















Magenta (11%)

Yellow (93%)

Brightness & Saturation Gradients

These gradients show how the RYB color 18, 227, 18 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 18, 227, 18 by changing the saturation by 10% instead.

 18, 227, 18	 18, 227, 18
255, 255, 255	 0, 199, 2
 95, 255, 95	 0, 172, 5
 125, 255, 125	 0, 146, 8
 154, 255, 154	 0, 120, 11
 184, 255, 184	 0, 95, 14
 213, 255, 213	 0, 72, 19
 243, 255, 243	 0, 49, 22
	 0, 30, 30
	 0, 0, 0

■ 18, 227, 18

■ 18, 227, 18

■ 0, 227, 0

■ 41, 227, 41

■ 63, 227, 63

■ 86, 227, 86

■ 109, 227, 109

■ 132, 227, 132

■ 154, 227, 154

■ 177, 227, 177

■ 200, 227, 200

■ 222, 227, 222

Harmonies

Analogous

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



121, 255, 43



18, 227, 18



88, 246, 202

Triad

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



18, 227, 18



0, 128, 255



255, 146, 255

Complementary

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



18, 227, 18



18, 18, 227

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, 181, 255



18, 227, 18



0, 124, 255

Square

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



18, 227, 18



0, 128, 255



111, 172, 255



255, 138, 187

Rectangle

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



18, 227, 18



0, 163, 253



111, 172, 255



255, 156, 255

Sweetspot

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



18, 227, 18



184, 255, 184



227, 18, 18



84, 128, 84



0, 0, 0



128, 128, 128

Same Dimension

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



18, 227, 18



0, 255, 0



18, 227, 123



103, 115, 103



0, 179, 0



0, 51, 0

Inverse Universe

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



18, 18, 227



0, 0, 255



122, 18, 227



103, 103, 115



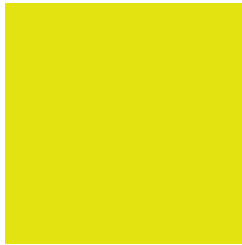
0, 0, 179



0, 0, 51

Previews

White Background



This preview shows how the RYB color 18, 227, 18 looks on a white background.

Color Contrast Check

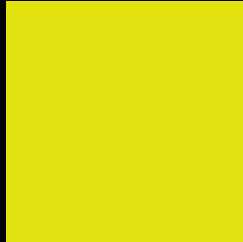
Large Text (above 18pt) WCAG AA × Fail

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 18, 227, 18 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](#).

R Y B 18, 227, 18 Background



This preview shows how black text looks on a background with the RYB color 18, 227, 18.



This preview shows how white text looks on a background with the RYB color 18, 227, 18.

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
18, 227, 18

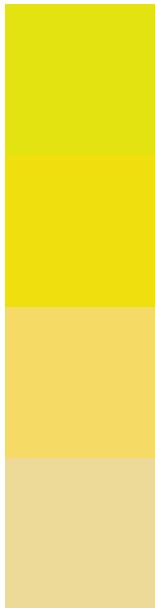
Protanopia
46, 248, 14

Deuteranopia
219, 255, 149



Tritanopia
242, 211, 228

Trichromacy



Original Color
18, 227, 18

Protanomaly
33, 240, 15

Deuteranomaly
134, 245, 101

Tritanomaly
178, 237, 152

Monochromacy



Original Color
18, 227, 18

Achromatopsia
203, 203, 203

Achromatomaly
136, 212, 136

CSS Examples

Text

The CSS property to change the color of the text to RYB 18, 227, 18 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(227, 227, 18)` looks like.

```
.text, #text, p{  
    color:rgb(227, 227, 18)  
}
```

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(227, 227, 18) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 227, 18) }
```

Border

The CSS property to change the border of an element to RYB 18, 227, 18 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(227, 227, 18) }
```

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

```
.border{ border-color:rgb(227, 227, 18) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 227, 18)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 227, 18); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 227, 18);  
box-shadow:4px 4px 4px 4px rgb(227, 227,  
18) }
```

Background

The CSS property to change the background color of an element to RYB 18, 227, 18 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 227, 18) }
```

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

```
.background{ background-color: rgb(227,  
227, 18) }
```

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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