

Converting Colors

RGB(38, 186, 18)

Have a look what the booklet for
RGB(38, 186, 18) contains.

RGB(38, 186, 18)	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

RGB(38, 186, 18)

Conversions

Conversions Part 1

Format	Color
Hex	26BA12
RGB	38, 186, 18
RGB Percent	15%, 73%, 7%
CMY	0.8510, 0.2706, 0.9294
CMYK	0.80, 0.00, 0.90, 0.27
HSL	113°, 82%, 40%
HSV	113°, 90%, 73%
XYZ	18.4674, 35.5736, 6.4653
YIQ	122.5960, -34.2800, -83.6240

Conversions

Conversions Part 2

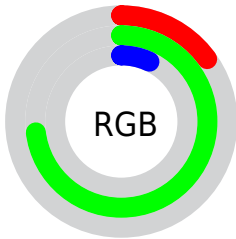
Format	Color
RYB	18, 186, 166
Decimal	2538002
CIELab	66.19, -64.68, 63.69
CIELCh	66, 90.773, 135.445
Yxy	35.5736, 0.3052, 0.5879
Android (android.graphics.Color)	4280728082 (0xFF26BA12)
YUV	122.5960, -51.5658, -74.1907
Hunter-Lab	59.6436, -49.1074, 35.3235

Details

The RGB color **38, 186, 18** is a dark color, and the websafe version is hex **33CC33**. A complement of this color would be **166, 18, 186**, and the grayscale version is **123, 123, 123**.

A 20% lighter version of the original color is **111, 243, 84**, and **0, 131, 0** is the 20% darker color. If you saturate the color by 10%, you get **22, 186, 0**, and if you desaturate by 10%, it is **54, 186, 37**.

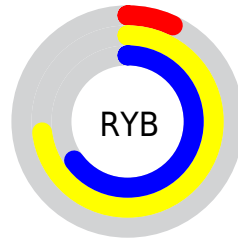
Distribution



Red (15%)

Green (73%)

Blue (7%)



Red (7%)

Yellow (73%)

Blue (65%)

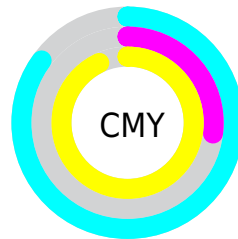


Cyan (80%)

Magenta (0%)

Yellow (90%)

Black (27%)



Cyan (85%)

Magenta (27%)

Yellow (93%)

Brightness & Saturation Gradients

These gradients show how the RGB color 38, 186, 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 RGB color 38, 186, 18 by changing the saturation by 10% instead.



38, 186, 18



38, 186, 18

255, 255, 255



0, 158, 0



111, 243, 84



0, 131, 0



142, 255, 112



0, 105, 0



173, 255, 140



0, 79, 0



203, 255, 168



0, 56, 0



234, 255, 196



0, 30, 0



255, 255, 225



0, 0, 0

255, 255, 255



38, 186, 18



38, 186, 18

■ 22, 186, 0

■ 54, 186, 37

■ 71, 186, 55

■ 87, 186, 74

■ 104, 186, 92

■ 120, 186, 111

■ 136, 186, 130

■ 153, 186, 148

■ 169, 186, 167

■ 185, 186, 185

Harmonies

Analogous

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



155, 170, 0



38, 186, 18



0, 194, 117

Triad

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



38, 186, 18



0, 182, 255



255, 57, 123

Complementary

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



38, 186, 18



166, 18, 186

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, 67, 204



38, 186, 18



0, 157, 255

Square

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



38, 186, 18



0, 193, 255



215, 116, 255



255, 102, 43

Rectangle

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



38, 186, 18



0, 196, 174



215, 116, 255



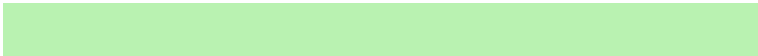
255, 51, 150

Sweetspot

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



38, 186, 18



185, 242, 177



186, 164, 18



88, 122, 83



250, 250, 250



122, 122, 122

Same Dimension

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



38, 186, 18



29, 242, 0



18, 186, 80



84, 92, 83



19, 156, 0



3, 28, 0

Inverse Universe

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



166, 18, 186



213, 0, 242



186, 18, 124



91, 83, 92



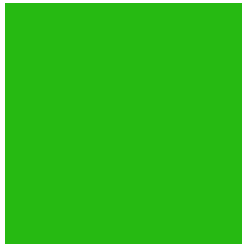
137, 0, 156



25, 0, 28

Previews

White Background



This preview shows how the RGB color 38, 186, 18 looks on a white background.

Color Contrast Check

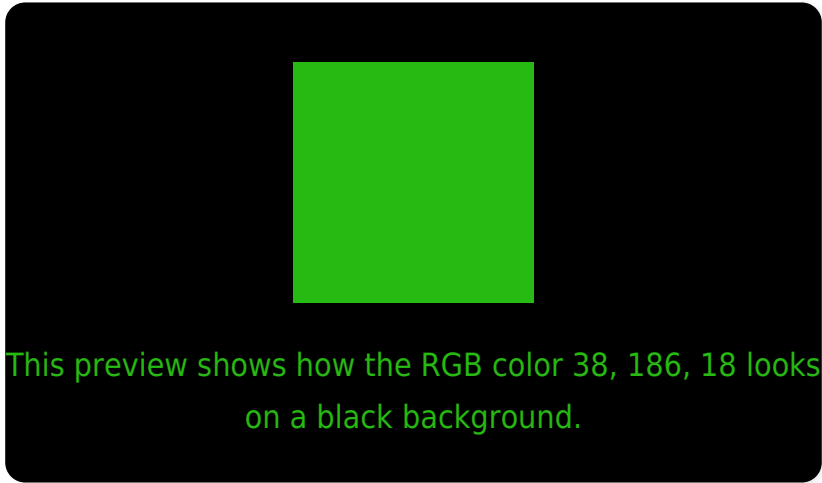
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

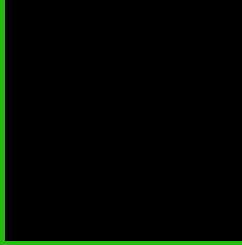
Any Text WCAG AA ✓ Pass

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 38, 186, 18 Background



This preview shows how black text looks on a background with the RGB color 38, 186, 18.

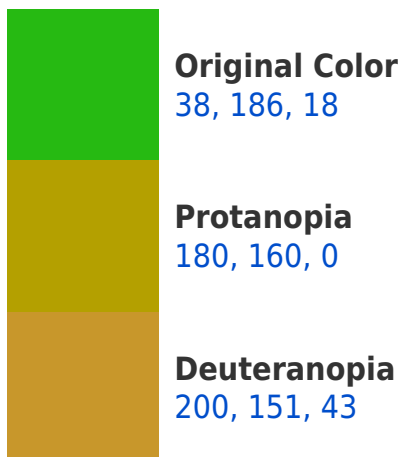



This preview shows how white text looks on a background with the RGB color 38, 186, 18.

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





Tritanopia
85, 173, 187

Trichromacy



Original Color

38, 186, 18



Protanomaly

128, 169, 7



Deuteranomaly

141, 164, 34



Tritanomaly

68, 178, 126

Monochromacy



Original Color

38, 186, 18



Achromatopsia

123, 123, 123



Achromatomaly

92, 146, 85

CSS Examples

Text

The CSS property to change the color of the text to RGB 38, 186, 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(38, 186, 18)` looks like.

```
.text, #text, p{  
    color:rgb(38, 186, 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(38, 186, 18) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(38, 186, 18) }
```

Border

The CSS property to change the border of an element to RGB 38, 186, 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(38, 186, 18) }
```

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

```
.border{ border-color:rgb(38, 186, 18) }
```

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

Here you see how a box with a 4 pixel rgb(38, 186, 18) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(38, 186, 18); -webkit-box-  
shadow:4px 4px 4px 4px rgb(38, 186, 18);  
box-shadow:4px 4px 4px 4px rgb(38, 186,  
18) }
```

Background

The CSS property to change the background color of an element to RGB 38, 186, 18 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(38, 186, 18) }
```

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

```
.background{ background-color: rgb(38, 186,  
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](#).

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