

Converting Colors

Hex(45B31B)

Have a look what the booklet for
Hex(45B31B) contains.

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Color

Hex(45B31B)

Conversions

Conversions Part 1

Format	Color
Hex	45B31B
RGB	69, 179, 27
RGB Percent	27%, 70%, 11%
CMY	0.7294, 0.2980, 0.8941
CMYK	0.61, 0.00, 0.85, 0.30
HSL	103°, 74%, 40%
HSV	103°, 85%, 70%
XYZ	18.7722, 33.5845, 6.5300
YIQ	128.7820, -16.7680, -70.5920

Conversions

Conversions Part 2

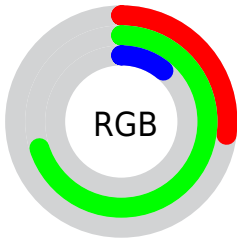
Format	Color
RYB	27, 179, 137
Decimal	4567835
CIELab	64.63, -56.37, 60.73
CIElCh	65, 82.862, 132.865
Yxy	33.5845, 0.3188, 0.5703
Android (android.graphics.Color)	4282757915 (0xFF45B31B)
YUV	128.7820, -50.1785, -52.4288
Hunter-Lab	57.9522, -43.5956, 33.8858

Details

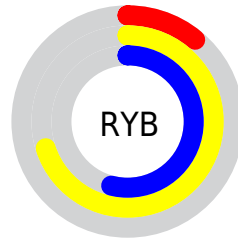
The Hex color **45B31B** is a dark color, and the websafe version is hex **66CC33**. A complement of this color would be **891BB3**, and the grayscale version is **818181**.

A 20% lighter version of the original color is **82EC57**, and **007D00** is the 20% darker color. If you saturate the color by 10%, you get **38B309**, and if you desaturate by 10%, it is **52B32D**.

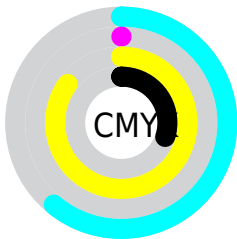
Distribution



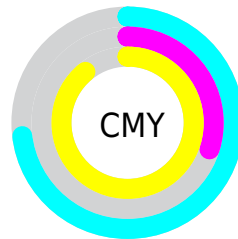
- Red (27%)
- Green (70%)
- Blue (11%)



- Red (11%)
- Yellow (70%)
- Blue (54%)



- Cyan (61%)
- Magenta (0%)
- Yellow (85%)
- Black (30%)



- Cyan (73%)
- Magenta (30%)
- Yellow (89%)

Brightness & Saturation Gradients

These gradients show how the Hex color 45B31B 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 Hex color 45B31B by changing the saturation by 10% instead.

 45B31B

 45B31B

FFFFFF

 1F9800

 82EC57

 007D00

 A0FF73

 006300

 BDFF8E

 004A00

 DBFFAA

 003300

 F9FFC7

 001900

 FFFFE4

 000000

 45B31B

 45B31B

 38B309

 52B32D

 31B300

 5FB33F

 6CB351

 79B363

 86B374

 93B386

 A0B398

 ADB3AA

 BAB3BC

Harmonies

Analogous

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



9FA300



45B31B



00BB6E

Triad

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



45B31B



00B1FF



FF4680

Complementary

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



45B31B



891BB3

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.



FF51CA



45B31B



009BFF

Square

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



45B31B



00BBFF



C678FF



FF6639

Rectangle

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



45B31B



00BDA2



C678FF



FF4399

Sweetspot

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



45B31B



BEE8AE



B3881B



5C7552



F5F5F5



757575

Same Dimension

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



45B31B



40E800



1BB33C



535950



2A9900



071A00

Inverse Universe

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



891BB3



A800E8



B31B92



575059



6F0099



12001A

Previews

White Background



This preview shows how the Hex color 45B31B looks on a white background.

Color Contrast Check

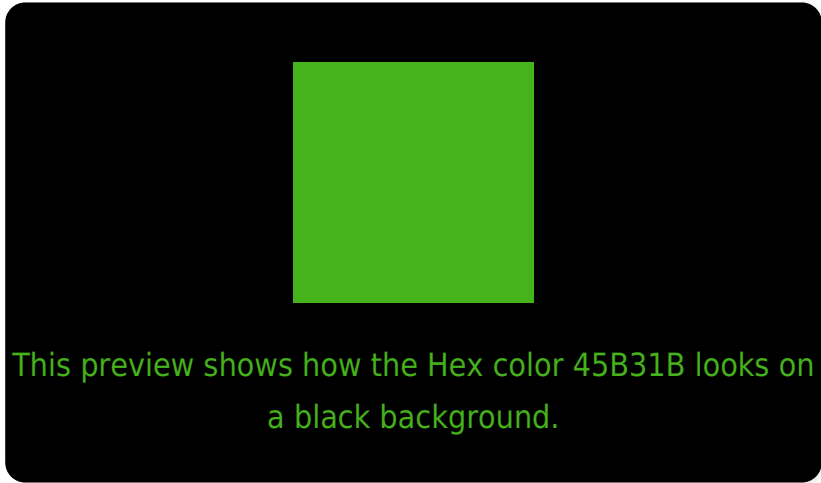
Large Text (above 18pt) WCAG AA × Fail

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

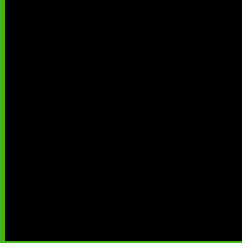
Any Text WCAG AA ✓ Pass

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](#).

Hex 45B31B Background



This preview shows how black text looks on a background with the Hex color 45B31B.



This preview shows how white text looks on a background with the Hex color 45B31B.

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
45B31B

Protanopia
AF9C14

Deuteranopia
C3942D



Tritanopia
63A7B4

Trichromacy



Original Color
45B31B



Protanomaly
88A417



Deuteranomaly
959F26



Tritanomaly
58AB7C

Monochromacy



Original Color
45B31B



Achromatopsia
818181



Achromatomaly
6B935C

CSS Examples

Text

The CSS property to change the color of the text to Hex 45B31B 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 #45B31B looks like.

```
.text, #text, p{  
    color:#45B31B  
}
```

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 #45B31B colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #45B31B
}
```

Border

The CSS property to change the border of an element to Hex 45B31B 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
#45B31B }
```

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

```
.border{ border-color:#45B31B }
```

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

Here you see how a box with a 4 pixel #45B31B colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #45B31B; -webkit-box-shadow:4px 4px  
4px 4px #45B31B; box-shadow:4px 4px 4px  
4px #45B31B }
```

Background

The CSS property to change the background color of an element to Hex 45B31B is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#45B31B }
```

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

```
.background{ background-color:#45B31B }
```

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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