

Converting Colors

Hex(80CE31)

Have a look what the booklet for
Hex(80CE31) contains.

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Color

Hex(80CE31)

Conversions

Conversions Part 1

Format	Color
Hex	80CE31
RGB	128, 206, 49
RGB Percent	50%, 81%, 19%
CMY	0.4980, 0.1922, 0.8078
CMYK	0.38, 0.00, 0.76, 0.19
HSL	90°, 62%, 50%
HSV	90°, 76%, 81%
XYZ	31.5278, 48.9536, 10.6930
YIQ	164.7800, 3.9090, -65.3630

Conversions

Conversions Part 2

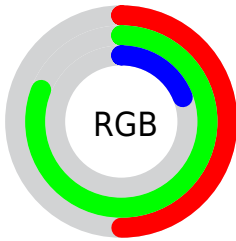
Format	Color
RYB	49, 206, 127
Decimal	8441393
CIELab	75.42, -47.95, 65.35
CIELCh	75, 81.053, 126.266
Yxy	48.9536, 0.3458, 0.5369
Android (android.graphics.Color)	4286631473 (0xFF80CE31)
YUV	164.7800, -57.0795, -32.2561
Hunter-Lab	69.9668, -42.0080, 39.9155

Details

The Hex color **80CE31** is a dark color, and the websafe version is hex **66CC33**. The color can be described as dark muted chartreuse. A complement of this color would be **7F31CE**, and the grayscale version is **A5A5A5**.

A 20% lighter version of the original color is **BAFF6B**, and **469700** is the 20% darker color. If you saturate the color by 10%, you get **76CE1C**, and if you desaturate by 10%, it is **8ACE46**.

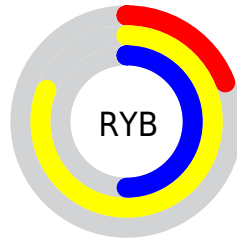
Distribution



Red (50%)

Green (81%)

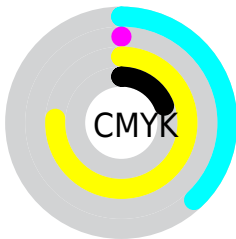
Blue (19%)



Red (19%)

Yellow (81%)

Blue (50%)

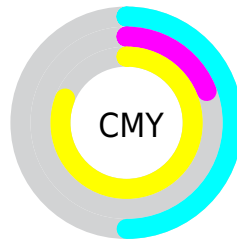


Cyan (38%)

Magenta (0%)

Yellow (76%)

Black (19%)



Cyan (50%)

Magenta (19%)

Yellow (81%)

Brightness & Saturation Gradients

These gradients show how the Hex color 80CE31 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 80CE31 by changing the saturation by 10% instead.

 80CE31

 80CE31

FFFFFF

 63B207

 BAFF6B

 469700

 D7FF87

 257D00

 F5FFA3

 006300

 FFFFBF

 004A00

 FFFFDC

 003300

 FFFFFA

 001B00

 000000

 80CE31

 80CE31

 76CE1C

 8ACE46

 6CCE08

 94CE5A

 68CE00

 9FCE6F

 A9CE83

 B3CE98

 BDCEAD

 C8CEC1

 D2CED6

 DCCEEA

Harmonies

Analogous

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



CFBB00



80CE31



00D87A

Triad

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



80CE31



00D1FF



FF6CAD

Complementary

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



80CE31



7F31CE

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.



FF7CF7



80CE31



00BEFF

Square

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



80CE31



00DBFF



CF9FFF



FF7F65

Rectangle

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



80CE31



00DBAE



CF9FFF



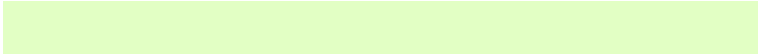
FF6DC6

Sweetspot

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



80CE31



E2FFC4



CE7D31



6E805C



000000



808080

Same Dimension

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



80CE31



8CFF17



34CE31



61665C



53A600



132600

Inverse Universe

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



7F31CE



8A17FF



CB31CE



615C66



5200A6



130026

Previews

White Background



This preview shows how the Hex color 80CE31 looks on a white background.

Color Contrast Check

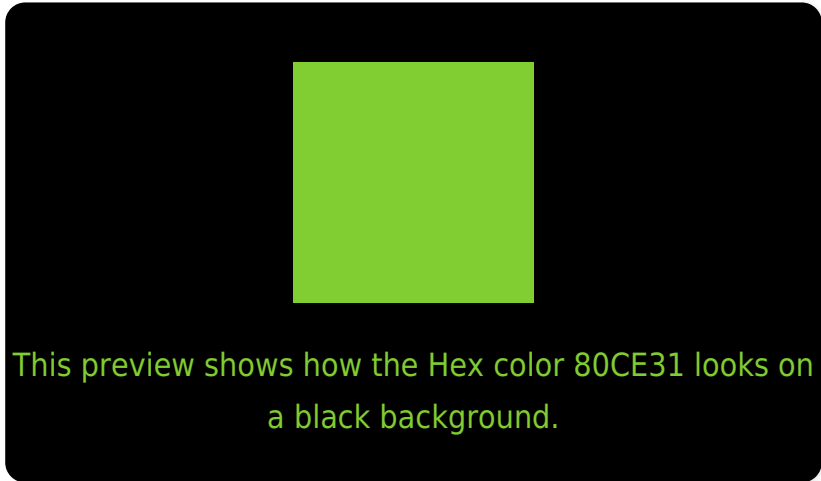
Large Text (above 18pt) WCAG AA × Fail

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 80CE31 Background



This preview shows how black text looks on a background with the Hex color 80CE31.

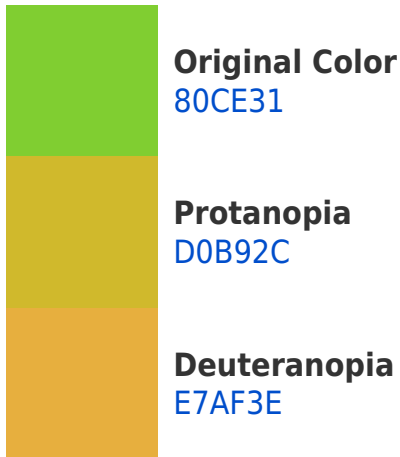


This preview shows how white text looks on a background with the Hex color 80CE31.

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
96C0CF

Trichromacy



Original Color
80CE31



Protanomaly
B3C12E



Deuteranomaly
C2BA39



Tritanomaly
8EC596

Monochromacy



Original Color
80CE31



Achromatopsia
A5A5A5



Achromatomaly
98B47B

CSS Examples

Text

The CSS property to change the color of the text to Hex 80CE31 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 #80CE31 looks like.

```
.text, #text, p{  
    color:#80CE31  
}
```

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 #80CE31 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #80CE31
}
```

Border

The CSS property to change the border of an element to Hex 80CE31 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
#80CE31 }
```

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

```
.border{ border-color:#80CE31 }
```

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

Here you see how a box with a 4 pixel #80CE31 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #80CE31; -webkit-box-shadow:4px 4px  
4px 4px #80CE31; box-shadow:4px 4px 4px  
4px #80CE31 }
```

Background

The CSS property to change the background color of an element to Hex 80CE31 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#80CE31 }
```

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

```
.background{ background-color:#80CE31 }
```

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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