

Converting Colors

XYZ(31.3918, 46.7039, 7.9950)

Have a look what the booklet for
XYZ(31.3918, 46.7039, 7.9950)
contains.

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Color

**XYZ(31.4193, 46.8445,
8.0020)**

Conversions

Conversions Part 1

Format	Color
Hex	8BC813
RGB	139, 200, 19
RGB Percent	55%, 78%, 7%
CMY	0.4549, 0.2157, 0.9254
CMYK	0.31, 0.00, 0.90, 0.22
HSL	80°, 83%, 43%
HSV	80°, 90%, 78%
XYZ	31.4193, 46.8445, 8.0020
YIQ	161.1270, 21.7450, -69.2230

Conversions

Conversions Part 2

Format	Color
RYB	19, 200, 80
Decimal	9160723
CIELab	74.09, -42.60, 71.55
CIELCh	74, 83.276, 120.768
Yxy	46.8445, 0.3642, 0.5430
Android (android.graphics.Color)	4287350803 (0xFF8BC813)
YUV	161.1270, -70.0686, -19.4054
Hunter-Lab	68.4430, -37.8335, 40.9783

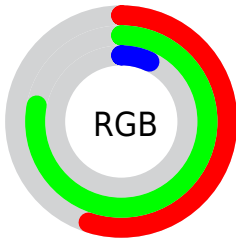
Details

The XYZ color **31.4193, 46.8445, 8.0020** is a dark color, and the websafe version is hex **99CC00**.

The color can be described as dark washed chartreuse. A complement of this color would be **13.9688, 6.3429, 55.1343**, and the grayscale version is **34.2459, 36.0293, 39.2359**.

A 20% lighter version of the original color is **60.5474, 84.0949, 22.2733**, and **13.7586, 22.3516, 3.5891** is the 20% darker color. If you saturate the color by 10%, you get **30.2637, 46.2639, 7.3348**, and if you desaturate by 10%, it is **32.8298, 47.5444, 9.3674**.

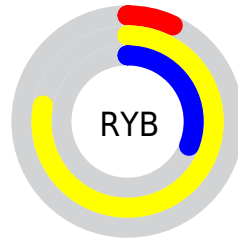
Distribution



Red (55%)

Green (78%)

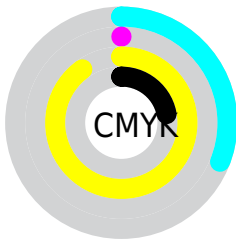
Blue (7%)



Red (7%)

Yellow (78%)

Blue (31%)

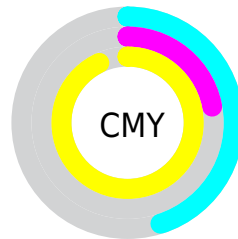


Cyan (31%)

Magenta (0%)

Yellow (90%)

Black (22%)



Cyan (45%)


Magenta (22%)


Yellow (93%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.4193, 46.8445, 8.0020 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 XYZ color 31.4193, 46.8445, 8.0020 by changing the saturation by 10% instead.


 31.4193, 46.8445,
8.0020


 31.4193, 46.8445,
8.0020


300.2579,
374.1935, 185.6829

 21.0717, 32.9127,
4.0084


 61.2710, 85.4815,
22.5086

 13.2892, 22.0596,
1.6300


 81.5058, 110.9555,
33.8587

 7.7064, 13.9007,
0.3121


 105.7671,
141.0457, 48.4981

 3.9579, 8.0516,
0.0000

 134.4202,
176.1365, 66.8453

 1.6783, 4.1280,
0.0000

 167.8305,
216.6122, 89.3188

 0.4426, 1.7454,
0.0000

 206.3633,

 0.0000, 0.4528,

262.8574, 116.3372

0.0000

250.3840,
315.2564, 148.3191

■ 0.0000, 0.0000,
0.0000

■ 31.4193, 46.8445,
8.0020

■ 31.4193, 46.8445,
8.0020

■ 30.2637, 46.2639,
7.3348

■ 32.8298, 47.5444,
9.3674

■ 34.4845, 48.3485,
11.6544

■ 36.4096, 49.2691,
14.9910

■ 38.6268, 50.3149,
19.4843

■ 41.1548, 51.4937,
25.2282

■ 44.0108, 52.8123,
32.3068

■ 47.2105, 54.2772,
40.7971

■ 50.7684, 55.8943,
50.7702

■ 54.6981, 57.6692,
62.2923

Harmonies

Analogous

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



44.1412, 46.8445, 5.0927



31.4193, 46.8445, 8.0020



23.9134, 46.8445, 20.5172

Triad

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



31.4193, 46.8445, 8.0020



31.9497, 46.8445, 161.3120



79.7474, 46.8445, 49.9134

Complementary

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



31.4193, 46.8445, 8.0020



13.9688, 6.3429, 55.1343

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.



74.4911, 46.8445, 102.4716



31.4193, 46.8445, 8.0020



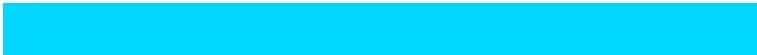
44.9096, 46.8445, 184.8671

Square

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



31.4193, 46.8445, 8.0020



24.1682, 46.8445, 105.5357



60.8445, 46.8445, 158.9531



73.9510, 46.8445, 19.4962

Rectangle

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



31.4193, 46.8445, 8.0020



21.8130, 46.8445, 38.9444



60.8445, 46.8445, 158.9531



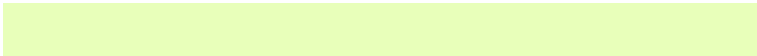
79.2052, 46.8445, 65.3308

Sweetspot

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



31.4204, 46.8466, 8.0030



77.8506, 92.1928, 60.2299



26.7591, 17.9688, 2.6747



16.2689, 19.5520, 11.8691



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



31.4204, 46.8466, 8.0030



52.1328, 79.9605, 12.6862



22.0482, 42.0151, 7.5644



11.1632, 12.2311, 11.3352



19.3404, 29.4657, 4.6681



0.9907, 1.4338, 0.2245

Inverse Universe

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



13.9688, 6.3429, 55.1343



21.8832, 9.1961, 95.2294



27.2018, 13.1647, 55.7536



10.3880, 10.4583, 13.3886



8.2048, 3.4640, 34.9805



0.4660, 0.2040, 1.6600

Previews

White Background



This preview shows how the XYZ color 31.4193, 46.8445, 8.0020 looks on a white background.

Color Contrast Check

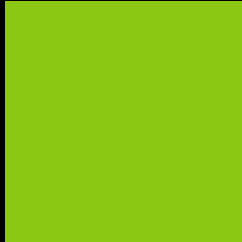
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 31.4193, 46.8445, 8.0020 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](#).

XYZ 31.4193, 46.8445, 8.0020

Background



This preview shows how black text looks on a background with the XYZ color 31.4193, 46.8445, 8.0020.



This preview shows how white text looks on a background with the XYZ color 31.4193, 46.8445,

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

31.4193, 46.8445, 8.0020

Protanopia

41.9596, 46.4569, 7.0427

Deuteranopia

47.1654, 46.1662, 8.6156



Tritanopia

42.2021, 46.6040, 62.0295

Trichromacy



Original Color

31.4193, 46.8445, 8.0020

Protanomaly

37.3263, 46.2480, 7.3402

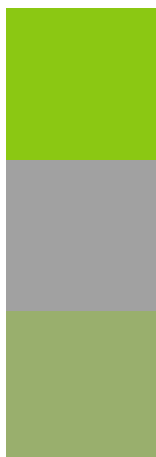
Deuteranomaly

39.7816, 45.3072, 8.1618

Tritanomaly

35.7665, 45.5902, 29.8364

Monochromacy



Original Color

31.4193, 46.8445, 8.0020

Achromatopsia

33.8758, 35.6400, 38.8120

Achromatomaly

31.2272, 38.5364, 20.2604

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.4193, 46.8445, 8.0020 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(139, 200, 19)` looks like.

```
.text, #text, p{  
    color:rgb(139, 200, 19)  
}
```

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(139, 200, 19) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 200, 19) }
```

Border

The CSS property to change the border of an element to XYZ 31.4193, 46.8445, 8.0020 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(139, 200, 19) }
```


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

```
.border{ border-color:rgb(139, 200, 19) }
```

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

Here you see how a box with a 4 pixel `rgb(139, 200, 19)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 200, 19); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 200, 19);  
box-shadow:4px 4px 4px 4px rgb(139, 200,  
19) }
```

Background

The CSS property to change the background color of an element to XYZ 31.4193, 46.8445, 8.0020 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 200, 19) }
```

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

```
.background{ background-color: rgb(139,  
200, 19) }
```

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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