

Converting Colors

XYZ(31.8197, 47.3992, 8.0885)

Have a look what the booklet for
XYZ(31.8197, 47.3992, 8.0885)
contains.

| | |
|--|----|
| XYZ(31.8194, 47.3958, 8.0873) | 3 |
| <i>Conversions</i> | 4 |
| <i>Details</i> | 6 |
| <i>Harmonies</i> | 12 |
| <i>Previews</i> | 24 |
| <i>Color Blindness Simulation</i> | 28 |
| <i>CSS Examples</i> | 31 |

Color

**XYZ(31.8194, 47.3958,
8.0873)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | 8CC913 |
| RGB | 140, 201, 19 |
| RGB Percent | 55%, 79%, 7% |
| CMY | 0.4510, 0.2117, 0.9254 |
| CMYK | 0.30, 0.00, 0.91, 0.21 |
| HSL | 80°, 83%, 43% |
| HSV | 80°, 91%, 79% |
| XYZ | 31.8194, 47.3958, 8.0873 |
| YIQ | 162.0130, 22.0660, -69.5340 |

Conversions

Conversions Part 2

| Format | Color |
|-------------------------------------|---------------------------------|
| RYB | 19, 201, 80 |
| Decimal | 9226515 |
| CIELab | 74.44, -42.66, 71.86 |
| CIELCh | 74, 83.571, 120.693 |
| Yxy | 47.3958, 0.3645, 0.5429 |
| Android (android.graphics.Color) | 4287416595 (0xFF8CC913) |
| YUV | 162.0130, -70.5054, -19.3054 |
| Hunter-Lab | 68.8446, -37.9769, 41.2263 |

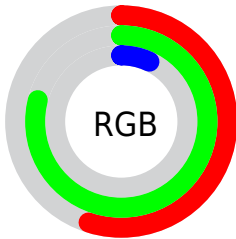
Details

The XYZ color **31.8194, 47.3958, 8.0873** 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 **14.0862, 6.3898, 55.7521**, and the grayscale version is **34.6634, 36.4686, 39.7143**.

A 20% lighter version of the original color is **60.8102, 84.2303, 22.2856**, and **14.0010, 22.7064, 3.6449** is the 20% darker color. If you saturate the color by 10%, you get **30.6597, 46.8131, 7.4199**, and if you desaturate by 10%, it is **33.2414, 48.1015, 9.4619**.

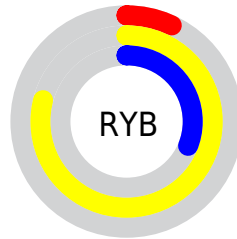
Distribution



Red (55%)

Green (79%)

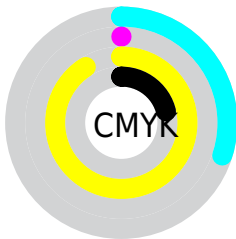
Blue (7%)



Red (7%)

Yellow (79%)

Blue (31%)

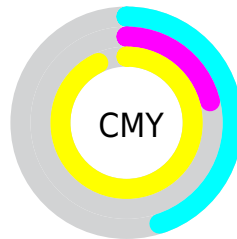


Cyan (30%)

Magenta (0%)

Yellow (91%)

Black (21%)



Cyan (45%)


Magenta (21%)


Yellow (93%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.8194, 47.3958, 8.0873 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 31.8194, 47.3958, 8.0873 by changing the saturation by 10% instead.


 31.8194, 47.3958,
8.0873


 31.8194, 47.3958,
8.0873


302.0557,
376.3922, 186.3753

 21.3785, 33.3487,
4.0623


 61.8950, 86.3041,
22.6784

 13.5150, 22.3937,
1.6596


 82.2603, 111.9341,
34.0816

 7.8635, 14.1465,
0.3328


 106.6645,
142.1938, 48.7812

 4.0588, 8.2226,
0.0000

 135.4729,
177.4677, 67.1958

 1.7355, 4.2377,
0.0000

 169.0509,
218.1400, 89.7440

 0.4783, 1.8074,
0.0000

 207.7637,

 0.0000, 0.4918,

264.5953, 116.8443

0.0000

251.9769,
317.2179, 148.9152

■ 0.0000, 0.0000,
0.0000

■ 31.8194, 47.3958,
8.0873

■ 31.8194, 47.3958,
8.0873

■ 30.6597, 46.8131,
7.4199

■ 33.2414, 48.1015,
9.4619

■ 34.9095, 48.9121,
11.7680

■ 36.8503, 49.8401,
15.1354

■ 39.0858, 50.8944,
19.6725

■ 41.6349, 52.0828,
25.4744

■ 44.5150, 53.4122,
32.6264

■ 47.7420, 54.8892,
41.2066

■ 51.3305, 56.5197,
51.2867

■ 55.2943, 58.3095,
62.9340

Harmonies

Analogous

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



44.6990, 47.3958, 5.1588



31.8194, 47.3958, 8.0873



24.2133, 47.3958, 20.7144

Triad

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



31.8194, 47.3958, 8.0873



32.3029, 47.3958, 163.0389



80.6713, 47.3958, 50.6095

Complementary

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



31.8194, 47.3958, 8.0873



14.0862, 6.3898, 55.7521

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.



75.3286, 47.3958, 103.8069



31.8194, 47.3958, 8.0873



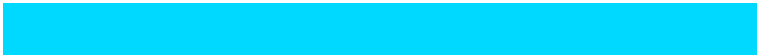
45.3994, 47.3958, 186.9759

Square

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



31.8194, 47.3958, 8.0873



24.4455, 47.3958, 106.5999



61.5135, 47.3958, 160.8889



74.8363, 47.3958, 19.7834

Rectangle

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



31.8194, 47.3958, 8.0873



22.0799, 47.3958, 39.3163



61.5135, 47.3958, 160.8889



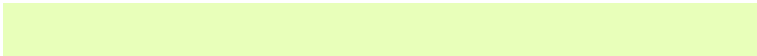
80.1132, 47.3958, 66.2219

Sweetspot

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



31.8205, 47.3979, 8.0883



77.8919, 92.2141, 60.2318



27.0514, 18.1554, 2.6953



16.2787, 19.5570, 11.8696



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.



31.8205, 47.3979, 8.0883



52.2342, 80.0128, 12.6910



22.2887, 42.4841, 7.6422



11.1652, 12.2321, 11.3353



19.3773, 29.4846, 4.6698



0.9922, 1.4346, 0.2246

Inverse Universe

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



14.0862, 6.3898, 55.7521



21.8399, 9.1738, 95.2274



27.4997, 13.3047, 56.3799



10.3861, 10.4573, 13.3885



8.1883, 3.4555, 34.9798



0.4650, 0.2035, 1.6599

Previews

White Background



This preview shows how the XYZ color 31.8194, 47.3958, 8.0873 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 31.8194, 47.3958, 8.0873 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 31.8194, 47.3958, 8.0873

Background



This preview shows how black text looks on a background with the XYZ color 31.8194, 47.3958, 8.0873.



This preview shows how white text looks on a background with the XYZ color 31.8194, 47.3958,

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

31.8194, 47.3958, 8.0873

Protanopia

42.4419, 47.0107, 7.1242

Deuteranopia

47.6746, 46.7123, 8.6941



Tritanopia

42.7291, 47.1758, 62.7309

Trichromacy



Original Color

31.8194, 47.3958, 8.0873

Protanomaly

37.7775, 46.8011, 7.4232

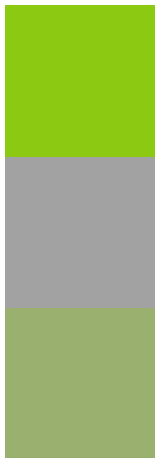
Deuteranomaly

40.2482, 45.8528, 8.2425

Tritanomaly

36.1717, 46.1239, 29.9180

Monochromacy



Original Color

31.8194, 47.3958, 8.0873

Achromatopsia

34.3422, 36.1307, 39.3463

Achromatomaly

31.6662, 39.0465, 20.6196

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.8194, 47.3958, 8.0873 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(140, 201, 19)` looks like.

```
.text, #text, p{  
    color:rgb(140, 201, 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(140, 201, 19) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 201, 19) }
```

Border

The CSS property to change the border of an element to XYZ 31.8194, 47.3958, 8.0873 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(140, 201, 19) }
```


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

```
.border{ border-color:rgb(140, 201, 19) }
```

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

Here you see how a box with a 4 pixel `rgb(140, 201, 19)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 201, 19); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 201, 19);  
box-shadow:4px 4px 4px 4px rgb(140, 201,  
19) }
```

Background

The CSS property to change the background color of an element to XYZ 31.8194, 47.3958, 8.0873 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 201, 19) }
```

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

```
.background{ background-color: rgb(140,  
201, 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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