

Converting Colors

XYZ(31.5417, 46.9096, 8.0550)

Have a look what the booklet for
XYZ(31.5417, 46.9096, 8.0550)
contains.

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Color

**XYZ(31.5958, 46.9345,
8.0558)**

Conversions

Conversions Part 1

Format	Color
Hex	8CC814
RGB	140, 200, 20
RGB Percent	55%, 78%, 8%
CMY	0.4510, 0.2157, 0.9215
CMYK	0.30, 0.00, 0.90, 0.22
HSL	80°, 82%, 43%
HSV	80°, 90%, 78%
XYZ	31.5958, 46.9345, 8.0558
YIQ	161.5400, 22.0200, -68.7000

Conversions

Conversions Part 2

Format	Color
R_{YB}	20, 200, 80
Decimal	9226260
CIE _{Lab}	74.15, -42.20, 71.47
CIE _{LCh}	74, 82.997, 120.564
Yxy	46.9345, 0.3649, 0.5421
Android (android.graphics.Color)	4287416340 (0xFF8CC814)
YUV	161.5400, -69.7792, -18.8906
Hunter-Lab	68.5088, -37.5673, 40.9843

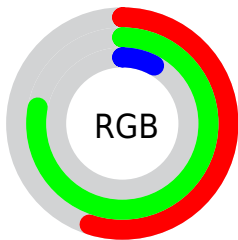
Details

The XYZ color **31.5958, 46.9345, 8.0558** 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 **13.9861, 6.3774, 55.1401**, and the grayscale version is **34.4378, 36.2313, 39.4559**.

A 20% lighter version of the original color is **60.8102, 84.2303, 22.2856**, and **13.8462, 22.3968, 3.5932** is the 20% darker color. If you saturate the color by 10%, you get **30.3808, 46.3242, 7.3406**, and if you desaturate by 10%, it is **33.0116, 47.6362, 9.4636**.

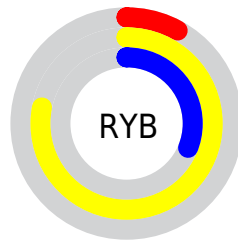
Distribution



Red (55%)

Green (78%)

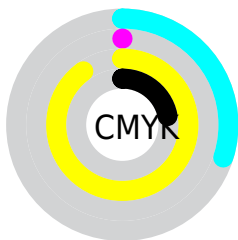
Blue (8%)



Red (8%)

Yellow (78%)

Blue (31%)

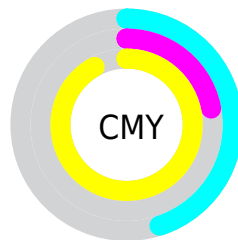


Cyan (30%)

Magenta (0%)

Yellow (90%)

Black (22%)



Cyan (45%)


Magenta (22%)


Yellow (92%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.5958, 46.9345, 8.0558 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 31.5958, 46.9345, 8.0558 by changing the saturation by 10% instead.


 31.5958, 46.9345,
8.0558


 31.5958, 46.9345,
8.0558


301.0520,
374.5530, 186.1199


 21.2070, 32.9839,
4.0424


 61.5464, 85.6158,
22.6157

 13.3887, 22.1141,
1.6486


 81.8389, 111.1154,
33.9993

 7.7756, 13.9408,
0.3252


 106.1633,
141.2333, 48.6768

 4.0023, 8.0795,
0.0000

 134.8850,
176.3540, 67.0665

 1.7034, 4.1458,
0.0000

 168.3694,
216.8620, 89.5872

 0.4584, 1.7555,
0.0000

 206.9818,

 0.0000, 0.4592,

263.1415, 116.6573

0.0000

251.0875,
315.5771, 148.6954

■ 0.0000, 0.0000,
0.0000

■ 31.5958, 46.9345,
8.0558

■ 31.5958, 46.9345,
8.0558

■ 30.3808, 46.3242,
7.3406

■ 33.0116, 47.6362,
9.4636

■ 30.3800, 46.3238,
7.3402

■ 34.6715, 48.4420,
11.7999

■ 36.6016, 49.3639,
15.1914

■ 38.8231, 50.4106,
19.7446

■ 41.3549, 51.5899,
25.5526

■ 44.2139, 52.9085,
32.6994

■ 47.4157, 54.3729,
41.2615

■ 50.9747, 55.9889,
51.3096

■ 54.9045, 57.7621,
62.9100

Harmonies

Analogous

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



44.3292, 46.9345, 5.1725



31.5958, 46.9345, 8.0558



24.0585, 46.9345, 20.5047

Triad

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



31.5958, 46.9345, 8.0558



31.9844, 46.9345, 160.6996



79.7340, 46.9345, 50.3026

Complementary

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



31.5958, 46.9345, 8.0558



13.9861, 6.3774, 55.1401

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.



74.4233, 46.9345, 102.8204



31.5958, 46.9345, 8.0558



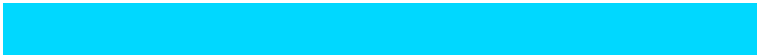
44.8916, 46.9345, 184.4594

Square

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



31.5958, 46.9345, 8.0558



24.2453, 46.9345, 105.0594



60.7814, 46.9345, 158.9773



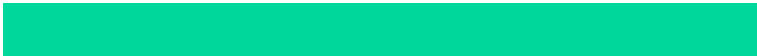
74.0285, 46.9345, 19.7552

Rectangle

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



31.5958, 46.9345, 8.0558



21.9354, 46.9345, 38.8222



60.7814, 46.9345, 158.9773



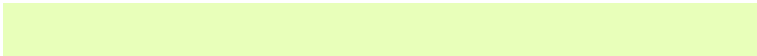
79.1676, 46.9345, 65.7354

Sweetspot

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



31.5969, 46.9366, 8.0568



77.9329, 92.2352, 60.2337



26.8164, 18.0694, 2.7368



16.2884, 19.5620, 11.8701



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.



31.5969, 46.9366, 8.0568



52.3352, 80.0648, 12.6957



22.0977, 42.0396, 7.6123



11.1671, 12.2331, 11.3354



19.4140, 29.5036, 4.6715



0.9937, 1.4354, 0.2247

Inverse Universe

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



13.9861, 6.3774, 55.1401



21.7973, 9.1518, 95.2254



27.2551, 13.2179, 55.7611



10.3843, 10.4564, 13.3885



8.1721, 3.4471, 34.9790



0.4641, 0.2030, 1.6599

Previews

White Background



This preview shows how the XYZ color 31.5958, 46.9345, 8.0558 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 31.5958, 46.9345, 8.0558 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 31.5958, 46.9345, 8.0558

Background



This preview shows how black text looks on a background with the XYZ color 31.5958, 46.9345, 8.0558.



This preview shows how white text looks on a background with the XYZ color 31.5958, 46.9345,

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

31.5958, 46.9345, 8.0558

Protanopia

41.9711, 46.4616, 7.1037

Deuteranopia

47.1654, 46.1662, 8.6156



Tritanopia

42.3996, 46.7058, 62.0388

Trichromacy



Original Color

31.5958, 46.9345, 8.0558

Protanomaly

37.3399, 46.2534, 7.4117

Deuteranomaly

39.7816, 45.3072, 8.1618

Tritanomaly

35.9529, 45.6863, 29.8451

Monochromacy



Original Color

31.5958, 46.9345, 8.0558

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 31.5958, 46.9345, 8.0558 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, 200, 20)` looks like.

```
.text, #text, p{  
    color:rgb(140, 200, 20)  
}
```

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, 200, 20) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 200, 20) }
```

Border

The CSS property to change the border of an element to XYZ 31.5958, 46.9345, 8.0558 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, 200, 20) }
```


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

```
.border{ border-color:rgb(140, 200, 20) }
```

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

Here you see how a box with a 4 pixel `rgb(140, 200, 20)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 200, 20); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 200, 20);  
box-shadow:4px 4px 4px 4px rgb(140, 200,  
20) }
```

Background

The CSS property to change the background color of an element to XYZ 31.5958, 46.9345, 8.0558 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 200, 20) }
```

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

```
.background{ background-color: rgb(140,  
200, 20) }
```

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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