

Converting Colors

XYZ(31.3078, 46.7039, 7.9145)

Have a look what the booklet for
XYZ(31.3078, 46.7039, 7.9145)
contains.

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Color

**XYZ(31.4029, 46.8380,
7.9158)**

Conversions

Conversions Part 1

Format	Color
Hex	8BC811
RGB	139, 200, 17
RGB Percent	55%, 78%, 7%
CMY	0.4549, 0.2157, 0.9333
CMYK	0.31, 0.00, 0.91, 0.22
HSL	80°, 84%, 43%
HSV	80°, 91%, 78%
XYZ	31.4029, 46.8380, 7.9158
YIQ	160.8990, 22.3870, -69.8450

Conversions

Conversions Part 2

Format	Color
RYB	17, 200, 78
Decimal	9160721
CIELab	74.09, -42.64, 71.85
CIELCh	74, 83.550, 120.690
Yxy	46.8380, 0.3645, 0.5436
Android (android.graphics.Color)	4287350801 (0xFF8BC811)
YUV	160.8990, -70.9422, -19.2054
Hunter-Lab	68.4383, -37.8623, 41.0491

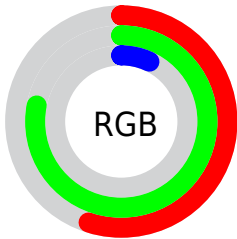
Details

The XYZ color **31.4029, 46.8380, 7.9158** 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 **13.7701, 6.1923, 55.1158**, and the grayscale version is **34.1431, 35.9212, 39.1182**.

A 20% lighter version of the original color is **60.5063, 84.0784, 22.0566**, and **13.7586, 22.3516, 3.5891** is the 20% darker color. If you saturate the color by 10%, you get **30.3799, 46.3238, 7.3402**, and if you desaturate by 10%, it is **32.7845, 47.5248, 9.1968**.

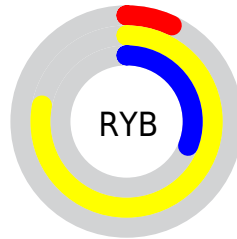
Distribution



Red (55%)

Green (78%)

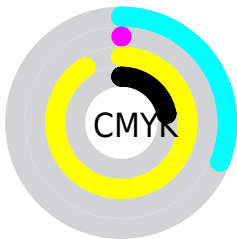
Blue (7%)



Red (7%)

Yellow (78%)

Blue (31%)

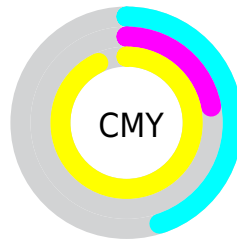


Cyan (31%)

Magenta (0%)

Yellow (91%)

Black (22%)



Cyan (45%)


Magenta (22%)


Yellow (93%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.4029, 46.8380, 7.9158 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 31.4029, 46.8380, 7.9158 by changing the saturation by 10% instead.


 31.4029, 46.8380,
7.9158


 31.4029, 46.8380,
7.9158


300.1840,
374.1675, 184.9800

 21.0592, 32.9076,
3.9541


 61.2454, 85.4718,
22.3367

 13.2800, 22.0557,
1.6002


 81.4748, 110.9439,
33.6329

 7.6999, 13.8978,
0.2910


 105.7302,
141.0321, 48.2111

 3.9537, 8.0496,
0.0000

 134.3770,
176.1207, 66.4897

 1.6760, 4.1267,
0.0000

 167.7804,
216.5942, 88.8874

 0.4412, 1.7447,
0.0000

 206.3058,

 0.0000, 0.4523,

262.8369, 115.8227

0.0000

250.3185,
315.2332, 147.7140

■ 0.0000, 0.0000,
0.0000

■ 31.4029, 46.8380,
7.9158

■ 31.4029, 46.8380,
7.9158

■ 30.3799, 46.3238,
7.3402

■ 32.7845, 47.5248,
9.1968

■ 34.4059, 48.3140,
11.3851

■ 36.2941, 49.2179,
14.6113

■ 38.4706, 50.2454,
18.9841

■ 40.9548, 51.4044,
24.5984

■ 43.7637, 52.7017,
31.5394

■ 46.9132, 54.1439,
39.8846

■ 50.4178, 55.7368,
49.7057

■ 54.2912, 57.4861,
61.0692

Harmonies

Analogous

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



44.1730, 46.8380, 5.0328



31.4029, 46.8380, 7.9158



23.8676, 46.8380, 20.3879

Triad

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



31.4029, 46.8380, 7.9158



31.8802, 46.8380, 161.6874



79.8785, 46.8380, 50.0141

Complementary

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



31.4029, 46.8380, 7.9158



13.7701, 6.1923, 55.1158

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.



74.5716, 46.8380, 102.8280



31.4029, 46.8380, 7.9158



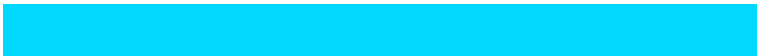
44.8650, 46.8380, 185.4934

Square

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



31.4029, 46.8380, 7.9158



24.0967, 46.8380, 105.5917



60.8548, 46.8380, 159.5582



74.0846, 46.8380, 19.4706

Rectangle

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



31.4029, 46.8380, 7.9158



21.7552, 46.8380, 38.8094



60.8548, 46.8380, 159.5582



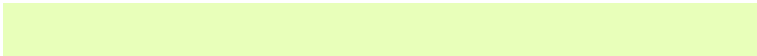
79.3239, 46.8380, 65.5052

Sweetspot

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



31.4040, 46.8401, 7.9168



77.9328, 92.2352, 60.2337



26.6471, 17.7709, 2.5566



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.



31.4040, 46.8401, 7.9168



52.3350, 80.0647, 12.6957



21.9527, 41.9678, 7.4745



11.1671, 12.2331, 11.3354



19.4139, 29.5035, 4.6715



0.9937, 1.4354, 0.2247

Inverse Universe

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



13.7701, 6.1923, 55.1158



21.7974, 9.1519, 95.2254



27.0975, 13.0628, 55.7395



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 31.4029, 46.8380, 7.9158 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 31.4029, 46.8380, 7.9158 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 31.4029, 46.8380, 7.9158

Background



This preview shows how black text looks on a background with the XYZ color 31.4029, 46.8380, 7.9158.



This preview shows how white text looks on a background with the XYZ color 31.4029, 46.8380,

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

31.4029, 46.8380, 7.9158

Protanopia

41.9267, 46.4438, 6.8696

Deuteranopia

47.1477, 46.1591, 8.5225



Tritanopia

42.2021, 46.6040, 62.0295

Trichromacy



Original Color

31.4029, 46.8380, 7.9158

Protanomaly

37.3030, 46.2387, 7.2173

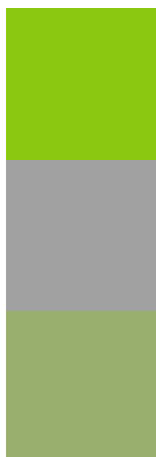
Deuteranomaly

39.7536, 45.2959, 8.0143

Tritanomaly

35.6964, 45.5621, 29.4672

Monochromacy



Original Color

31.4029, 46.8380, 7.9158

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 31.4029, 46.8380, 7.9158 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, 17)` looks like.

```
.text, #text, p{  
    color:rgb(139, 200, 17)  
}
```

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, 17) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 200, 17) }
```

Border

The CSS property to change the border of an element to XYZ 31.4029, 46.8380, 7.9158 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, 17) }
```


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

```
.border{ border-color:rgb(139, 200, 17) }
```

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, 17)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 200, 17); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 200, 17);  
box-shadow:4px 4px 4px 4px rgb(139, 200,  
17) }
```

Background

The CSS property to change the background color of an element to XYZ 31.4029, 46.8380, 7.9158 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, 17) }
```

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

```
.background{ background-color: rgb(139,  
200, 17) }
```

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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