

Converting Colors

XYZ(34.8037, 38.7200, 5.9557)

Have a look what the booklet for
XYZ(34.8037, 38.7200, 5.9557)
contains.

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Color

**XYZ(34.8021, 38.7208,
5.9562)**

Conversions

Conversions Part 1

Format	Color
Hex	BCA80B
RGB	188, 168, 11
RGB Percent	74%, 66%, 4%
CMY	0.2627, 0.3412, 0.9568
CMYK	0.00, 0.11, 0.94, 0.26
HSL	53°, 89%, 39%
HSV	53°, 94%, 74%
XYZ	34.8021, 38.7208, 5.9562
YIQ	156.0820, 62.3170, -44.5870

Conversions

Conversions Part 2

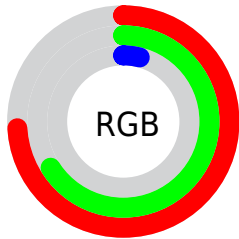
Format	Color
RYB	34, 188, 11
Decimal	12363787
CIELab	68.55, -6.73, 69.85
CIElCh	69, 70.175, 95.502
Yxy	38.7208, 0.4379, 0.4872
Android (android.graphics.Color)	4290553867 (0xFFBCA80B)
YUV	156.0820, -71.5254, 27.9921
Hunter-Lab	62.2260, -9.0632, 37.8831

Details

The XYZ color **34.8021, 38.7208, 5.9562** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **9.7055, 4.6825, 47.9689**, and the grayscale version is **31.9281, 33.5909, 36.5805**.

A 20% lighter version of the original color is **66.5843, 73.3259, 18.4285**, and **15.4513, 17.2366, 2.5126** is the 20% darker color. If you saturate the color by 10%, you get **34.5138, 38.2411, 5.5622**, and if you desaturate by 10%, it is **35.3698, 39.5819, 6.9918**.

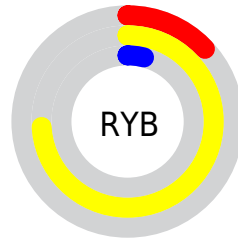
Distribution



Red (74%)

Green (66%)

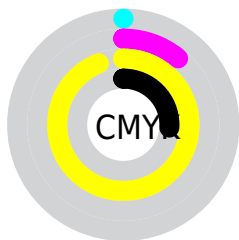
Blue (4%)



Red (13%)

Yellow (74%)

Blue (4%)

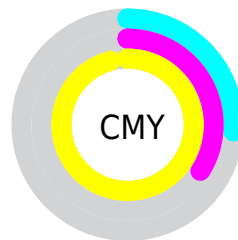


Cyan (0%)

Magenta (11%)

Yellow (94%)

Black (26%)



Cyan (26%)


Magenta (34%)


Yellow (96%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.8021, 38.7208, 5.9562 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 34.8021, 38.7208, 5.9562 by changing the saturation by 10% instead.


 34.8021, 38.7208,
5.9562


 34.8021, 38.7208,
5.9562


315.2173,
340.7020, 167.9721


 23.6763, 26.5426,
2.7501


 66.5151, 73.2116,
18.3160

 15.2171, 17.2300,
0.9685


 87.8330, 96.2930,
28.3068


 9.0592, 10.3986,
0.0000


 113.2790,
123.7776, 41.3963

 4.8372, 5.6640,
0.0000

 143.2184,
156.0497, 58.0029

 2.1858, 2.6419,
0.0000

 178.0166,
193.4938, 78.5453

 0.7353, 0.9478,
0.0000

 218.0389,

 0.0000, 0.0000,

236.4943, 103.4419

0.0000

263.6507,
285.4356, 133.1113

■ 34.8021, 38.7208,
5.9562

■ 34.8021, 38.7208,
5.9562

■ 34.5138, 38.2411,
5.5622

■ 35.3698, 39.5819,
6.9918

■ 36.0859, 40.5112,
8.7808

■ 36.9735, 41.5194,
11.4410

■ 38.0510, 42.6140,
15.0694

■ 39.3344, 43.8014,
19.7500

■ 40.8380, 45.0873,
25.5577

■ 42.5748, 46.4771,
32.5609

■ 44.5567, 47.9754,
40.8220

■ 46.7948, 49.5869,
50.3996

Harmonies

Analogous

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



46.3416, 38.7208, 7.4813



34.8021, 38.7208, 5.9562



25.7858, 38.7208, 9.4802

Triad

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



34.8021, 38.7208, 5.9562



22.0665, 38.7208, 88.3253



59.7370, 38.7208, 72.7840

Complementary

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



34.8021, 38.7208, 5.9562



9.7055, 4.6825, 47.9689

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.



50.5813, 38.7208, 113.6929



34.8021, 38.7208, 5.9562



28.6722, 38.7208, 125.3814

Square

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



34.8021, 38.7208, 5.9562



19.4378, 38.7208, 48.2713



38.8791, 38.7208, 136.4479



62.2806, 38.7208, 36.5882

Rectangle

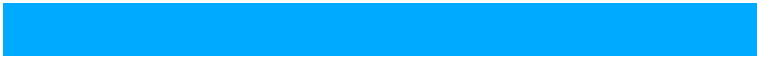
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



34.8021, 38.7208, 5.9562



21.9150, 38.7208, 16.2228



38.8791, 38.7208, 136.4479



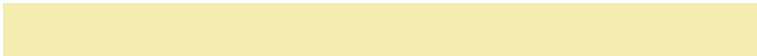
57.2520, 38.7208, 86.9035

Sweetspot

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



34.8030, 38.7227, 5.9570



75.7488, 83.1223, 53.2590



21.1149, 11.0334, 2.3594



16.0029, 17.6437, 10.3043



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



34.8030, 38.7227, 5.9570



62.4365, 69.0767, 10.0424



25.8109, 39.9946, 6.6764



10.2277, 10.9314, 10.1476



23.5333, 26.1054, 3.7985



0.9483, 1.0756, 0.1576

Inverse Universe

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



9.7055, 4.6825, 47.9689



16.8580, 7.3946, 86.7650



12.4096, 5.5267, 47.9893



9.1010, 9.3943, 12.0058



6.3942, 2.9002, 32.6157



0.2796, 0.1719, 1.2873

Previews

White Background



This preview shows how the XYZ color 34.8021, 38.7208, 5.9562 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 34.8021, 38.7208, 5.9562 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 34.8021, 38.7208, 5.9562

Background



This preview shows how black text looks on a background with the XYZ color 34.8021, 38.7208, 5.9562.

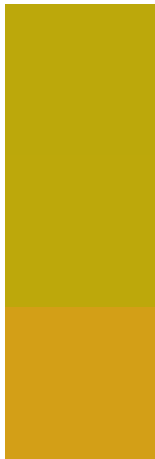


This preview shows how white text looks on a background with the XYZ color 34.8021, 38.7208,

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

34.8021, 38.7208, 5.9562

Protanopia

35.0493, 38.8482, 5.9678

Deuteranopia

39.4168, 38.7070, 6.2043



Tritanopia

42.2451, 38.6099, 42.2717

Trichromacy



Original Color

34.8021, 38.7208, 5.9562

Protanomaly

35.0493, 38.8482, 5.9678

Deuteranomaly

37.6665, 38.5842, 6.0784

Tritanomaly

37.6882, 37.7586, 20.3407

Monochromacy



Original Color

34.8021, 38.7208, 5.9562

Achromatopsia

31.5995, 33.2452, 36.2040

Achromatomaly

31.1674, 34.4457, 17.8380

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.8021, 38.7208, 5.9562 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(188, 168, 11)` looks like.

```
.text, #text, p{  
    color:rgb(188, 168, 11)  
}
```

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(188, 168, 11) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 168, 11) }
```

Border

The CSS property to change the border of an element to XYZ 34.8021, 38.7208, 5.9562 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(188, 168, 11) }
```


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

```
.border{ border-color:rgb(188, 168, 11) }
```

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

Here you see how a box with a 4 pixel rgb(188, 168, 11) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 168, 11); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 168, 11);  
box-shadow:4px 4px 4px 4px rgb(188, 168,  
11) }
```

Background

The CSS property to change the background color of an element to XYZ 34.8021, 38.7208, 5.9562 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 168, 11) }
```

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

```
.background{ background-color: rgb(188,  
168, 11) }
```

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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