

Converting Colors

XYZ(38.1390, 46.1613, 5.3097)

Have a look what the booklet for
XYZ(38.1390, 46.1613, 5.3097)
contains.

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Color

**XYZ(38.2638, 46.1054,
6.8825)**

Conversions

Conversions Part 1

Format	Color
Hex	BBBB00
RGB	187, 187, 0
RGB Percent	73%, 73%, 0%
CMY	0.2667, 0.2666, 0.9999
CMYK	0.00, 0.00, 1.00, 0.27
HSL	60°, 100%, 37%
HSV	60°, 100%, 73%
XYZ	38.2638, 46.1054, 6.8825
YIQ	165.6820, 60.0270, -58.1570

Conversions

Conversions Part 2

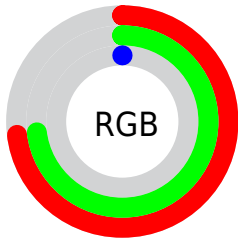
Format	Color
RYB	0, 187, 0
Decimal	12303104
CIELab	73.61, -17.07, 74.84
CIElCh	74, 76.760, 102.852
Yxy	46.1054, 0.4193, 0.5053
Android (android.graphics.Color)	4290493184 (0xFFBBBB00)
YUV	165.6820, -81.6812, 18.6959
Hunter-Lab	67.9010, -18.2377, 41.5210

Details

The XYZ color **38.2638, 46.1054, 6.8825** is a dark color, and the websafe version is hex **CCCC33**. A complement of this color would be **8.9707, 3.5887, 47.2365**, and the grayscale version is **36.4556, 38.3541, 41.7676**.

A 20% lighter version of the original color is **71.8936, 84.4694, 20.2996**, and **17.5784, 21.7173, 3.2654** is the 20% darker color. If you saturate the color by 10%, you get **38.2647, 46.1075, 6.8829**, and if you desaturate by 10%, it is **38.3800, 46.1537, 7.4893**.

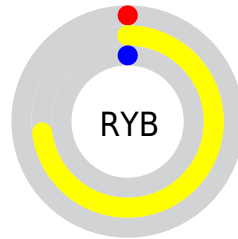
Distribution



Red (73%)

Green (73%)

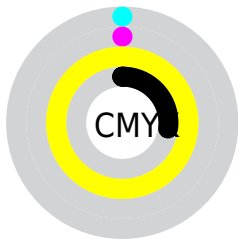
Blue (0%)



Red (0%)

Yellow (73%)

Blue (0%)

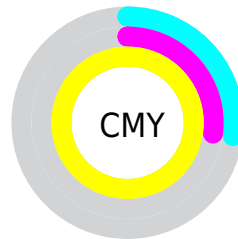


Cyan (0%)

Magenta (0%)

Yellow (100%)

Black (27%)



Cyan (27%)


Magenta (27%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.2638, 46.1054, 6.8825 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 38.2638, 46.1054, 6.8825 by changing the saturation by 10% instead.


 38.2638, 46.1054,
6.8825


 38.2638, 46.1054,
6.8825


330.0116,
371.2322, 176.2775

 26.3656, 32.3290,
3.3114


 71.8136, 84.3767,
20.2453

 17.2315, 21.6129,
1.2557


 94.1959, 109.6404,
30.8740

 10.4960, 13.5728,
0.0251


 120.8037,
139.5020, 44.6924

 5.7938, 7.8241,
0.0000

 152.0023,
174.3459, 62.1189

 2.7596, 3.9826,
0.0000

 188.1570,
214.5565, 83.5721

 1.0279, 1.6638,
0.0000

 229.6332,

 0.0000, 0.4001,

260.5181, 109.4706

0.0000

276.7963,
312.6152, 140.2329

■ 0.0000, 0.0000,
0.0000

■ 38.2638, 46.1054,
6.8825

■ 38.2638, 46.1054,
6.8825

■ 38.2647, 46.1075,
6.8829

■ 38.3800, 46.1537,
7.4893

■ 38.6056, 46.2439,
8.6763

■ 38.9819, 46.3945,
10.6574

■ 39.5292, 46.6134,
13.5385

■ 40.2645, 46.9075,
17.4095

■ 41.2026, 47.2828,
22.3492

■ 42.3573, 47.7446,
28.4286

■ 43.7406, 48.2980,
35.7126

■ 45.3642, 48.9474,
44.2612

Harmonies

Analogous

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



51.9848, 46.1054, 7.2757



38.2638, 46.1054, 6.8825



28.3471, 46.1054, 12.9015

Triad

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



38.2638, 46.1054, 6.8825



27.3238, 46.1054, 120.2168



73.8261, 46.1054, 75.6505

Complementary

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



38.2638, 46.1054, 6.8825



8.9707, 3.5887, 47.2365

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.



64.0993, 46.1054, 127.4566



38.2638, 46.1054, 6.8825



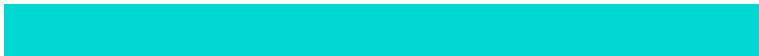
36.5615, 46.1054, 161.0064

Square

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



38.2638, 46.1054, 6.8825



22.9672, 46.1054, 68.7503



49.8935, 46.1054, 164.1843



74.5461, 46.1054, 35.3298

Rectangle

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



38.2638, 46.1054, 6.8825



24.4433, 46.1054, 23.2153



49.8935, 46.1054, 164.1843



71.4219, 46.1054, 92.6650

Sweetspot

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



38.2648, 46.1076, 6.8834



75.7452, 85.4605, 50.3231



20.4951, 10.5659, 0.9598



16.4786, 18.7391, 10.0195



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.



38.2648, 46.1076, 6.8834



68.5278, 82.5733, 12.3265



22.3378, 37.8968, 6.1381



10.3223, 11.1205, 10.1791



26.3632, 31.7666, 4.7421



1.0327, 1.2443, 0.1858

Inverse Universe

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



8.9707, 3.5887, 47.2365



16.0647, 6.4259, 84.5950



13.5366, 5.9425, 47.4501



9.0166, 9.2254, 11.9777



6.1802, 2.4721, 32.5443



0.2421, 0.0968, 1.2748

Previews

White Background



This preview shows how the XYZ color 38.2638, 46.1054, 6.8825 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 38.2638, 46.1054, 6.8825 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 38.2638, 46.1054, 6.8825

Background



This preview shows how black text looks on a background with the XYZ color 38.2638, 46.1054, 6.8825.



This preview shows how white text looks on a background with the XYZ color 38.2638, 46.1054,

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

38.2638, 46.1054, 6.8825

Protanopia

41.4257, 45.8851, 6.6733

Deuteranopia

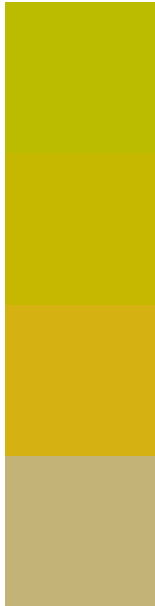
46.7674, 45.7036, 7.4554



Tritanopia

47.6589, 46.0021, 53.3811

Trichromacy



Original Color

38.2638, 46.1054, 6.8825

Protanomaly

40.2222, 45.8727, 6.7344

Deuteranomaly

43.2719, 45.6341, 7.0999

Tritanomaly

41.9556, 45.1742, 23.9610

Monochromacy



Original Color

38.2638, 46.1054, 6.8825

Achromatopsia

36.2450, 38.1326, 41.5264

Achromatomaly

35.1931, 40.3114, 19.5617

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.2638, 46.1054, 6.8825 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(187, 187, 0)` looks like.

```
.text, #text, p{  
    color:rgb(187, 187, 0)  
}
```

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(187, 187, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 187, 0) }
```

Border

The CSS property to change the border of an element to XYZ 38.2638, 46.1054, 6.8825 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(187, 187, 0) }
```


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

```
.border{ border-color:rgb(187, 187, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 187, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 187, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 187, 0);  
box-shadow:4px 4px 4px 4px rgb(187, 187,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 38.2638, 46.1054, 6.8825 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 187, 0) }
```

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

```
.background{ background-color: rgb(187,  
187, 0) }
```

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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