

Converting Colors

XYZ(38.9789, 46.9597, 12.0108)

Have a look what the booklet for
XYZ(38.9789, 46.9597, 12.0108)
contains.

XYZ(38.9189, 46.9672, 12.0154)	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(38.9189, 46.9672,
12.0154)**

Conversions

Conversions Part 1

Format	Color
Hex	B8BD41
RGB	184, 189, 65
RGB Percent	72%, 74%, 25%
CMY	0.2784, 0.2588, 0.7451
CMYK	0.03, 0.00, 0.66, 0.26
HSL	62°, 49%, 50%
HSV	62°, 66%, 74%
XYZ	38.9189, 46.9672, 12.0154
YIQ	173.3690, 36.8240, -39.6240

Conversions

Conversions Part 2

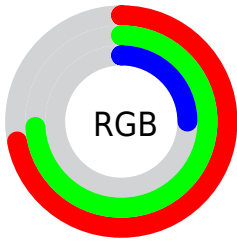
Format	Color
RYB	65, 189, 70
Decimal	12107073
CIELab	74.17, -17.37, 59.53
CIELCh	74, 62.016, 106.266
Yxy	46.9672, 0.3975, 0.4797
Android (android.graphics.Color)	4290297153 (0xFFB8BD41)
YUV	173.3690, -53.4259, 9.3234
Hunter-Lab	68.5326, -18.5640, 37.5779

Details

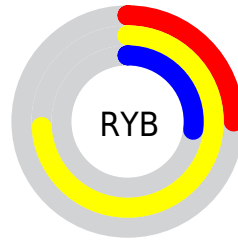
The XYZ color **38.9189, 46.9672, 12.0154** is a dark color, and the websafe version is hex **CCCC66**. A complement of this color would be **13.6029, 8.7579, 49.1205**, and the grayscale version is **40.1614, 42.2530, 46.0135**.

A 20% lighter version of the original color is **72.9443, 85.6914, 30.1483**, and **17.7062, 22.1975, 3.3513** is the 20% darker color. If you saturate the color by 10%, you get **38.2786, 46.6918, 9.5904**, and if you desaturate by 10%, it is **39.7455, 47.3208, 15.4070**.

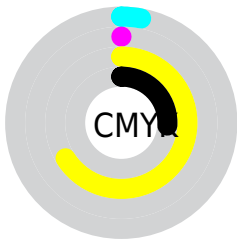
Distribution



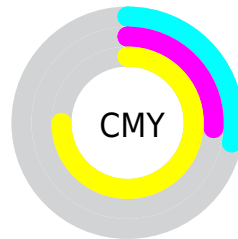
- Red (72%)
- Green (74%)
- Blue (25%)



- Red (25%)
- Yellow (74%)
- Blue (27%)



- Cyan (3%)
- Magenta (0%)
- Yellow (66%)
- Black (26%)



- Cyan (28%)
- Magenta (26%)
- Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.9189, 46.9672, 12.0154 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 38.9189, 46.9672, 12.0154 by changing the saturation by 10% instead.

■ 38.9189, 46.9672,
12.0154

■ 38.9189, 46.9672,
12.0154

332.7587,
374.6836, 215.4887

■ 26.8771, 33.0097,
6.6315

■ 72.8093, 85.6647,
30.1880

■ 17.6170, 22.1339,
3.1578

■ 95.3885, 111.1734,
43.8137

■ 10.7734, 13.9553,
1.1758

■ 122.2110,
141.3014, 61.0238

■ 5.9808, 8.0896,
0.0000

■ 153.6420,
176.4331, 82.2368

■ 2.8740, 4.1523,
0.0000

■ 190.0469,
216.9527, 107.8713

■ 1.0875, 1.7591,
0.0000

231.7911,

■ 0.0146, 0.4615,

263.2447, 138.3457

0.0000

279.2399,
315.6936, 174.0787

■ 0.0000, 0.0000,
0.0000

■ 38.9189, 46.9672,
12.0154

■ 38.9189, 46.9672,
12.0154

■ 38.2786, 46.6918,
9.5904

■ 39.7455, 47.3208,
15.4070

■ 37.8023, 46.4803,
8.0285

■ 40.7717, 47.7525,
19.8490

■ 37.4673, 46.3255,
7.2054

■ 42.0132, 48.2705,
25.4197

■ 37.3429, 46.2666,
6.9622

■ 43.4832, 48.8800,
32.1890

■ 45.1941, 49.5860,
40.2210

■ 47.1571, 50.3930,
49.5756

■ 49.3828, 51.3051,
60.3086

■ 51.8813, 52.3265,
72.4726

■ 54.6620, 53.4609,
86.1177

Harmonies

Analogous

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



49.9087, 46.9672, 11.7508



38.9189, 46.9672, 12.0154



30.9122, 46.9672, 19.4262

Triad

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



38.9189, 46.9672, 12.0154



31.4379, 46.9672, 109.3302



68.7829, 46.9672, 67.0881

Complementary

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



38.9189, 46.9672, 12.0154



13.6029, 8.7579, 49.1205

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.



61.9300, 46.9672, 106.1866



38.9189, 46.9672, 12.0154



39.7574, 46.9672, 136.6018

Square

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



38.9189, 46.9672, 12.0154



27.1090, 46.9672, 70.2682



50.8980, 46.9672, 135.2584



68.4573, 46.9672, 35.8412

Rectangle

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



38.9189, 46.9672, 12.0154



27.7973, 46.9672, 30.2505



50.8980, 46.9672, 135.2584



67.1993, 46.9672, 79.9377

Sweetspot

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



38.9200, 46.9694, 12.0164



79.4388, 88.1854, 64.9637



24.0784, 15.4744, 6.7195



16.9008, 18.8887, 13.1166



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.



38.9200, 46.9694, 12.0164



68.1213, 83.4299, 15.6925



27.3029, 40.9806, 11.4727



10.2831, 11.1004, 10.1772



25.1401, 31.1361, 4.6848



0.9967, 1.2258, 0.1841

Inverse Universe

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



13.6029, 8.7579, 49.1205



19.4690, 9.9202, 87.1149



20.4579, 12.2918, 49.4413



9.0512, 9.2432, 11.9793



6.2601, 2.5133, 32.5481



0.2575, 0.1048, 1.2755

Previews

White Background



This preview shows how the XYZ color 38.9189, 46.9672, 12.0154 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 38.9189, 46.9672, 12.0154 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 38.9189, 46.9672, 12.0154

Background



This preview shows how black text looks on a background with the XYZ color 38.9189, 46.9672, 12.0154.



This preview shows how white text looks on a background with the XYZ color 38.9189, 46.9672,

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

38.9189, 46.9672, 12.0154

Protanopia

42.7325, 47.0632, 11.5345

Deuteranopia

47.7276, 46.6602, 12.2852



Tritanopia

47.8911, 46.9416, 55.8267

Trichromacy



Original Color

38.9189, 46.9672, 12.0154

Protanomaly

41.3003, 46.9384, 11.7337

Deuteranomaly

44.0275, 46.5064, 12.1250

Tritanomaly

43.3729, 46.2985, 33.4386

Monochromacy



Original Color

38.9189, 46.9672, 12.0154

Achromatopsia

39.7200, 41.7885, 45.5077

Achromatomaly

38.5546, 43.3085, 28.8816

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.9189, 46.9672, 12.0154 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(184, 189, 65)` looks like.

```
.text, #text, p{  
    color:rgb(184, 189, 65)  
}
```

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(184, 189, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 189, 65) }
```

Border

The CSS property to change the border of an element to XYZ 38.9189, 46.9672, 12.0154 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(184, 189, 65) }
```


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

```
.border{ border-color:rgb(184, 189, 65) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 189, 65)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 189, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 189, 65);  
box-shadow:4px 4px 4px 4px rgb(184, 189,  
65) }
```

Background

The CSS property to change the background color of an element to XYZ 38.9189, 46.9672, 12.0154 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 189, 65) }
```

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

```
.background{ background-color: rgb(184,  
189, 65) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor