

Converting Colors

XYZ(38.9318, 46.7039, 11.2294)

Have a look what the booklet for
XYZ(38.9318, 46.7039, 11.2294)
contains.

XYZ(38.8064, 46.6070, 11.2257)	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(38.8064, 46.6070,
11.2257)**

Conversions

Conversions Part 1

Format	Color
Hex	B9BC3C
RGB	185, 188, 60
RGB Percent	73%, 74%, 24%
CMY	0.2745, 0.2627, 0.7647
CMYK	0.02, 0.00, 0.68, 0.26
HSL	61°, 52%, 49%
HSV	61°, 68%, 74%
XYZ	38.8064, 46.6070, 11.2257
YIQ	172.5110, 39.3000, -40.4440

Conversions

Conversions Part 2

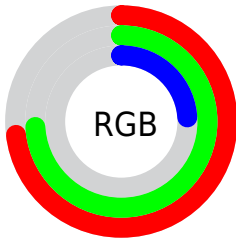
Format	Color
RYB	60, 188, 63
Decimal	12172348
CIELab	73.94, -16.73, 61.28
CIELCh	74, 63.527, 105.272
Yxy	46.6070, 0.4016, 0.4823
Android (android.graphics.Color)	4290362428 (0xFFB9BC3C)
YUV	172.5110, -55.4679, 10.9529
Hunter-Lab	68.2693, -18.0064, 38.0393

Details

The XYZ color **38.8064, 46.6070, 11.2257** is a dark color, and the websafe version is hex **CCCC33**. A complement of this color would be **12.7443, 7.9203, 48.4370**, and the grayscale version is **39.7319, 41.8010, 45.5213**.

A 20% lighter version of the original color is **72.7534, 85.1723, 28.8250**, and **17.7172, 21.9951, 3.3117** is the 20% darker color. If you saturate the color by 10%, you get **38.2892, 46.3896, 9.0525**, and if you desaturate by 10%, it is **39.5026, 46.8995, 14.3305**.

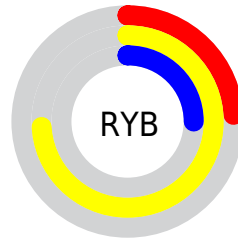
Distribution



Red (73%)

Green (74%)

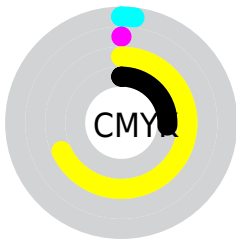
Blue (24%)



Red (24%)

Yellow (74%)

Blue (25%)

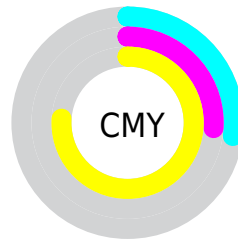


Cyan (2%)

Magenta (0%)

Yellow (68%)

Black (26%)



Cyan (27%)

Magenta (26%)

Yellow (76%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.8064, 46.6070, 11.2257 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 38.8064, 46.6070, 11.2257 by changing the saturation by 10% instead.

■ 38.8064, 46.6070,
11.2257

■ 38.8064, 46.6070,
11.2257

332.2880,
373.2436, 210.0022

■ 26.7892, 32.7251,
6.1028

■ 72.6384, 85.1267,
28.7198

■ 17.5507, 21.9159,
2.8379

■ 95.1840, 110.5333,
41.9280

■ 10.7257, 13.7951,
1.0125

■ 121.9697,
140.5502, 58.6684

■ 5.9486, 7.9783,
0.0000

■ 153.3609,
175.5618, 79.3596

■ 2.8542, 4.0811,
0.0000

■ 189.7230,
215.9526, 104.4200

■ 1.0771, 1.7190,
0.0000

231.4213,

■ 0.0059, 0.4359,

262.1069, 134.2682

0.0000

278.8212,
314.4091, 169.3228

■ 0.0000, 0.0000,
0.0000

■ 38.8064, 46.6070,
11.2257

■ 38.8064, 46.6070,
11.2257

■ 38.2892, 46.3896,
9.0525

■ 39.5026, 46.8995,
14.3305

■ 37.9281, 46.2329,
7.7044

■ 40.3915, 47.2674,
18.4525

■ 37.6934, 46.1268,
7.0202

■ 41.4889, 47.7188,
23.6710

■ 37.6535, 46.1085,
6.9153

■ 42.8082, 48.2590,
30.0566

■ 44.3618, 48.8929,
37.6740

■ 46.1610, 49.6251,
46.5832

■ 48.2165, 50.4599,
56.8402

■ 50.5383, 51.4012,
68.4977

■ 53.1359, 52.4528,
81.6057

Harmonies

Analogous

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



50.0692, 46.6070, 11.1698



38.8064, 46.6070, 11.2257



30.5578, 46.6070, 18.2927

Triad

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



38.8064, 46.6070, 11.2257



30.6719, 46.6070, 109.2066



68.8754, 46.6070, 68.3130

Complementary

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



38.8064, 46.6070, 11.2257



12.7443, 7.9203, 48.4370

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.



61.6419, 46.6070, 108.5113



38.8064, 46.6070, 11.2257



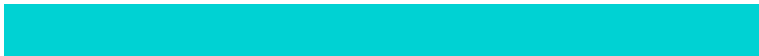
38.9892, 46.6070, 138.1253

Square

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



38.8064, 46.6070, 11.2257



26.4358, 46.6070, 69.0116



50.2859, 46.6070, 137.8272



68.8038, 46.6070, 36.0280

Rectangle

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



38.8064, 46.6070, 11.2257



27.3158, 46.6070, 28.8723



50.2859, 46.6070, 137.8272



67.1699, 46.6070, 81.5646

Sweetspot

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



38.8075, 46.6092, 11.2267



79.7245, 88.3327, 64.9771



23.2862, 14.4786, 5.8429



16.9707, 18.9247, 13.1199



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.



38.8075, 46.6092, 11.2267



69.0122, 83.9065, 14.9474



26.8079, 40.4231, 10.6651



10.2995, 11.1088, 10.1780



25.6442, 31.3959, 4.7084



1.0116, 1.2334, 0.1848

Inverse Universe

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



12.7443, 7.9203, 48.4370



18.6099, 9.0340, 86.9891



19.3183, 11.3094, 48.7446



9.0367, 9.2358, 11.9786



6.2266, 2.4960, 32.5465



0.2511, 0.1015, 1.2752

Previews

White Background



This preview shows how the XYZ color 38.8064, 46.6070, 11.2257 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 38.8064, 46.6070, 11.2257 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 38.8064, 46.6070, 11.2257

Background



This preview shows how black text looks on a background with the XYZ color 38.8064, 46.6070, 11.2257.



This preview shows how white text looks on a background with the XYZ color 38.8064, 46.6070,

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

38.8064, 46.6070, 11.2257

Protanopia

42.1203, 46.4579, 10.7503

Deuteranopia

47.6055, 46.6114, 11.6421



Tritanopia

47.7366, 46.5951, 54.6219

Trichromacy



Original Color

38.8064, 46.6070, 11.2257

Protanomaly

40.6949, 46.3325, 10.9359

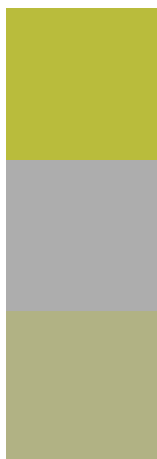
Deuteranomaly

43.9972, 46.2080, 11.4506

Tritanomaly

43.1961, 45.9330, 32.1805

Monochromacy



Original Color

38.8064, 46.6070, 11.2257

Achromatopsia

39.7200, 41.7885, 45.5077

Achromatomaly

38.2167, 42.8538, 28.0872

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.8064, 46.6070, 11.2257 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(185, 188, 60)` looks like.

```
.text, #text, p{  
    color:rgb(185, 188, 60)  
}
```

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(185, 188, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 188, 60) }
```

Border

The CSS property to change the border of an element to XYZ 38.8064, 46.6070, 11.2257 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(185, 188, 60) }
```


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

```
.border{ border-color:rgb(185, 188, 60) }
```

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

Here you see how a box with a 4 pixel `rgb(185, 188, 60)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 188, 60); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 188, 60);  
box-shadow:4px 4px 4px 4px rgb(185, 188,  
60) }
```

Background

The CSS property to change the background color of an element to XYZ 38.8064, 46.6070, 11.2257 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 188, 60) }
```

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

```
.background{ background-color: rgb(185,  
188, 60) }
```

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