

Converting Colors

XYZ(39.4493, 48.0749, 7.2002)

Have a look what the booklet for
XYZ(39.4493, 48.0749, 7.2002)
contains.

XYZ(39.3698, 47.9530, 7.1808)	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(39.3698, 47.9530,
7.1808)**

Conversions

Conversions Part 1

Format	Color
Hex	BCBF00
RGB	188, 191, 0
RGB Percent	74%, 75%, 0%
CMY	0.2627, 0.2510, 0.9999
CMYK	0.02, 0.00, 1.00, 0.25
HSL	61°, 100%, 37%
HSV	61°, 100%, 75%
XYZ	39.3698, 47.9530, 7.1808
YIQ	168.3290, 59.5230, -60.0370

Conversions

Conversions Part 2

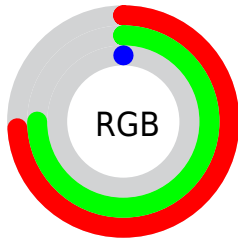
Format	Color
RYB	0, 191, 3
Decimal	12369664
CIELab	74.80, -18.64, 75.74
CIELCh	75, 78.000, 103.828
Yxy	47.9530, 0.4166, 0.5074
Android (android.graphics.Color)	4290559744 (0xFFBCBF00)
YUV	168.3290, -82.9862, 17.2515
Hunter-Lab	69.2481, -19.7011, 42.3255

Details

The XYZ color **39.3698, 47.9530, 7.1808** is a dark color, and the websafe version is hex **CCCC00**. A complement of this color would be **9.4427, 3.7818, 49.5256**, and the grayscale version is **37.7586, 39.7250, 43.2605**.

A 20% lighter version of the original color is **73.4952, 87.0872, 20.9185**, and **18.2944, 22.9228, 3.4603** is the 20% darker color. If you saturate the color by 10%, you get **39.3707, 47.9552, 7.1812**, and if you desaturate by 10%, it is **39.5635, 48.0409, 7.8091**.

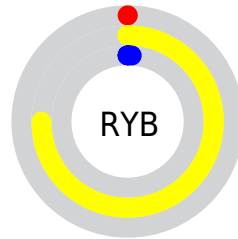
Distribution



Red (74%)

Green (75%)

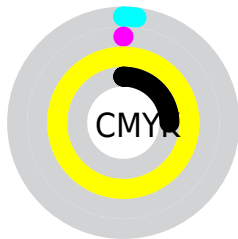
Blue (0%)



Red (0%)

Yellow (75%)

Blue (1%)

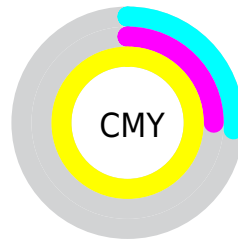


Cyan (2%)

Magenta (0%)

Yellow (100%)

Black (25%)



Cyan (26%)

Magenta (25%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 39.3698, 47.9530, 7.1808 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 39.3698, 47.9530, 7.1808 by changing the saturation by 10% instead.

■ 39.3698, 47.9530,
7.1808

■ 39.3698, 47.9530,
7.1808

334.6403,
378.6058, 178.8452

■ 27.2295, 33.7897,
3.4953

■ 73.4934, 87.1344,
20.8551

■ 17.8832, 22.7321,
1.3528

■ 96.2074, 112.9213,
31.6809

■ 10.9653, 14.3958,
0.1044

■ 123.1767,
143.3515, 45.7238

■ 6.1106, 8.3965,
0.0000

■ 154.7667,
178.8094, 63.4025

■ 2.9538, 4.3497,
0.0000

■ 191.3427,
219.6794, 85.1355

■ 1.1294, 1.8710,
0.0000

■ 233.2701,

■ 0.0495, 0.5309,

266.3458, 111.3412

0.0000

280.9142,
319.1932, 142.4383

■ 0.0000, 0.0000,
0.0000

■ 39.3698, 47.9530,
7.1808

■ 39.3698, 47.9530,
7.1808

■ 39.3707, 47.9552,
7.1812

■ 39.5635, 48.0409,
7.8091

■ 39.8727, 48.1731,
9.0493

■ 40.3403, 48.3687,
11.1230

■ 40.9875, 48.6363,
14.1421

■ 41.8325, 48.9829,
18.2012

■ 42.8909, 49.4149,
23.3835

■ 44.1769, 49.9380,
29.7638

■ 45.7036, 50.5573,
37.4105

■ 47.4828, 51.2778,
46.3866

Harmonies

Analogous

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



53.5972, 47.9530, 7.4032



39.3698, 47.9530, 7.1808



29.1909, 47.9530, 13.7221

Triad

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



39.3698, 47.9530, 7.1808



28.6092, 47.9530, 127.0537



77.0811, 47.9530, 77.1066

Complementary

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



39.3698, 47.9530, 7.1808



9.4427, 3.7818, 49.5256

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.



67.1741, 47.9530, 131.1816



39.3698, 47.9530, 7.1808



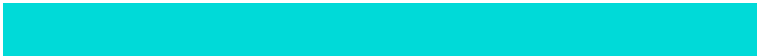
38.4013, 47.9530, 168.7648

Square

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



39.3698, 47.9530, 7.1808



23.9067, 47.9530, 73.1763



52.4065, 47.9530, 170.5775



77.4913, 47.9530, 35.6920

Rectangle

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



39.3698, 47.9530, 7.1808



25.2341, 47.9530, 24.7998



52.4065, 47.9530, 170.5775



74.6713, 47.9530, 94.7560

Sweetspot

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



39.3709, 47.9552, 7.1818



78.9947, 89.3843, 52.6982



21.4875, 11.0775, 1.0062



17.1213, 19.5364, 10.4517



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



39.3709, 47.9552, 7.1818



70.4878, 85.8718, 12.8598



23.4048, 39.7244, 6.4346



10.3070, 11.1127, 10.1784



25.8791, 31.5171, 4.7194



1.0185, 1.2370, 0.1851

Inverse Universe

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



9.4427, 3.7818, 49.5256



16.8913, 6.7622, 88.6941



14.1775, 6.2227, 49.7472



9.0300, 9.2323, 11.9783



6.2113, 2.4881, 32.5458



0.2481, 0.0999, 1.2751

Previews

White Background



This preview shows how the XYZ color 39.3698, 47.9530, 7.1808 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 39.3698, 47.9530, 7.1808 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 39.3698, 47.9530, 7.1808

Background



This preview shows how black text looks on a background with the XYZ color 39.3698, 47.9530, 7.1808.



This preview shows how white text looks on a background with the XYZ color 39.3698, 47.9530,

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

39.3698, 47.9530, 7.1808

Protanopia

43.1529, 47.6909, 6.9309

Deuteranopia

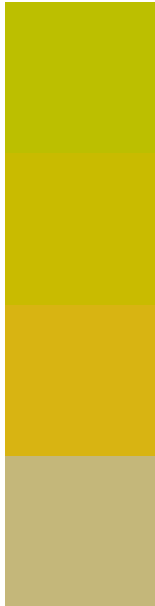
48.6365, 47.5166, 7.7706



Tritanopia

49.4118, 48.0199, 55.9547

Trichromacy



Original Color

39.3698, 47.9530, 7.1808

Protanomaly

41.8577, 47.9582, 7.0507

Deuteranomaly

44.7493, 47.2851, 7.3407

Tritanomaly

43.2113, 47.0079, 25.2083

Monochromacy



Original Color

39.3698, 47.9530, 7.1808

Achromatopsia

37.2190, 39.1572, 42.6422

Achromatomaly

35.8584, 41.2262, 19.9774

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.3698, 47.9530, 7.1808 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, 191, 0)` looks like.

```
.text, #text, p{  
    color:rgb(188, 191, 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(188, 191, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 191, 0) }
```

Border

The CSS property to change the border of an element to XYZ 39.3698, 47.9530, 7.1808 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, 191, 0) }
```


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

```
.border{ border-color:rgb(188, 191, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 191, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 191, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 191, 0);  
box-shadow:4px 4px 4px 4px rgb(188, 191,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 39.3698, 47.9530, 7.1808 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 191, 0) }
```

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

```
.background{ background-color: rgb(188,  
191, 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](#).

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