

Converting Colors

XYZ(38.5406, 47.3320, 2.9894)

Have a look what the booklet for
XYZ(38.5406, 47.3320, 2.9894)
contains.

XYZ(39.3997, 47.6457, 7.1200)	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(39.3997, 47.6457,
7.1200)**

Conversions

Conversions Part 1

Format	Color
Hex	BDBE00
RGB	189, 190, 0
RGB Percent	74%, 75%, 0%
CMY	0.2588, 0.2549, 0.9999
CMYK	0.01, 0.00, 1.00, 0.25
HSL	60°, 100%, 37%
HSV	60°, 100%, 75%
XYZ	39.3997, 47.6457, 7.1200
YIQ	168.0410, 60.3940, -59.3020

Conversions

Conversions Part 2

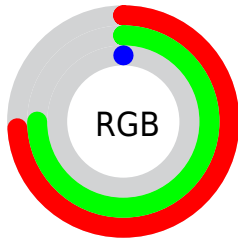
Format	Color
RYB	0, 190, 1
Decimal	12434944
CIELab	74.60, -17.71, 75.63
CIELCh	75, 77.679, 103.179
Yxy	47.6457, 0.4184, 0.5060
Android (android.graphics.Color)	4290625024 (0xFFBDBE00)
YUV	168.0410, -82.8442, 18.3810
Hunter-Lab	69.0259, -18.9081, 42.2024

Details

The XYZ color **39.3997, 47.6457, 7.1200** is a dark color, and the websafe version is hex **CCCC00**. A complement of this color would be **9.3079, 3.7251, 48.9466**, and the grayscale version is **37.6154, 39.5743, 43.0964**.

A 20% lighter version of the original color is **73.5079, 86.6454, 20.6345**, and **18.3057, 22.7166, 3.4199** is the 20% darker color. If you saturate the color by 10%, you get **39.4006, 47.6479, 7.1203**, and if you desaturate by 10%, it is **39.5434, 47.7078, 7.7415**.

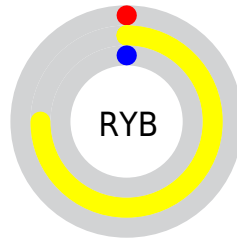
Distribution



Red (74%)

Green (75%)

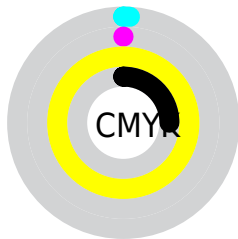
Blue (0%)



Red (0%)

Yellow (75%)

Blue (0%)

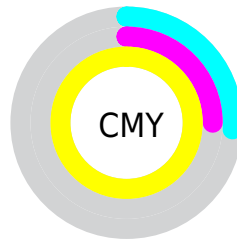


Cyan (1%)

Magenta (0%)

Yellow (100%)

Black (25%)



Cyan (26%)

Magenta (25%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 39.3997, 47.6457, 7.1200 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 39.3997, 47.6457, 7.1200 by changing the saturation by 10% instead.

■ 39.3997, 47.6457,
7.1200

■ 39.3997, 47.6457,
7.1200

334.7648,
377.3860, 178.3257

■ 27.2529, 33.5464,
3.4577

■ 73.5387, 86.6767,
20.7312

■ 17.9008, 22.5453,
1.3328

■ 96.2616, 112.3771,
31.5171

■ 10.9781, 14.2582,
0.0885

■ 123.2407,
142.7134, 45.5147

■ 6.1193, 8.3004,
0.0000

■ 154.8412,
178.0699, 63.1424

■ 2.9591, 4.2878,
0.0000

■ 191.4285,
218.8310, 84.8188

■ 1.1322, 1.8358,
0.0000

■ 233.3680,

■ 0.0518, 0.5093,

265.3811, 110.9625

0.0000

281.0250,
318.1047, 141.9919

■ 0.0000, 0.0000,
0.0000

■ 39.3997, 47.6457,
7.1200

■ 39.3997, 47.6457,
7.1200

■ 39.4006, 47.6479,
7.1203

■ 39.5434, 47.7078,
7.7415

■ 39.8008, 47.8137,
8.9670

■ 40.2147, 47.9822,
11.0160

■ 40.8060, 48.2216,
13.9989

■ 41.5924, 48.5390,
18.0092

■ 42.5894, 48.9407,
23.1290

■ 43.8112, 49.4323,
29.4320

■ 45.2706, 50.0190,
36.9858

■ 46.9793, 50.7054,
45.8527

Harmonies

Analogous

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



53.5646, 47.6457, 7.4641



39.3997, 47.6457, 7.1200



29.1968, 47.6457, 13.4330

Triad

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



39.3997, 47.6457, 7.1200



28.3000, 47.6457, 124.9017



76.3908, 47.6457, 77.6514

Complementary

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



39.3997, 47.6457, 7.1200



9.3079, 3.7251, 48.9466

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.



66.4087, 47.6457, 131.2534



39.3997, 47.6457, 7.1200



37.9073, 47.6457, 166.8182

Square

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



39.3997, 47.6457, 7.1200



23.7409, 47.6457, 71.5998



51.7308, 47.6457, 169.6067



77.0224, 47.6457, 36.1576

Rectangle

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



39.3997, 47.6457, 7.1200



25.1971, 47.6457, 24.2072



51.7308, 47.6457, 169.6067



73.9364, 47.6457, 95.2190

Sweetspot

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



39.4008, 47.6479, 7.1210



79.2674, 89.5249, 52.7110



21.2369, 10.9484, 0.9946



17.1895, 19.5716, 10.4549



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.



39.4008, 47.6479, 7.1210



71.3881, 86.3359, 12.9019



23.1355, 39.2628, 6.3598



10.3171, 11.1179, 10.1788



26.1999, 31.6824, 4.7344



1.0279, 1.2419, 0.1855

Inverse Universe

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



9.3079, 3.7251, 48.9466



16.8590, 6.7455, 88.6926



14.0158, 6.1521, 49.1669



9.0211, 9.2277, 11.9779



6.1906, 2.4775, 32.5448



0.2441, 0.0979, 1.2749

Previews

White Background



This preview shows how the XYZ color 39.3997, 47.6457, 7.1200 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 39.3997, 47.6457, 7.1200 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 39.3997, 47.6457, 7.1200

Background



This preview shows how black text looks on a background with the XYZ color 39.3997, 47.6457, 7.1200.



This preview shows how white text looks on a background with the XYZ color 39.3997, 47.6457,

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

39.3997, 47.6457, 7.1200

Protanopia

42.8726, 47.5464, 6.9177

Deuteranopia

48.6365, 47.5166, 7.7706



Tritanopia

49.3735, 47.7185, 55.3235

Trichromacy



Original Color

39.3997, 47.6457, 7.1200

Protanomaly

41.3783, 47.3972, 6.9677

Deuteranomaly

44.7493, 47.2851, 7.3407

Tritanomaly

43.2051, 46.7067, 24.8273

Monochromacy



Original Color

39.3997, 47.6457, 7.1200

Achromatopsia

37.2190, 39.1572, 42.6422

Achromatomaly

36.0837, 41.3423, 19.9880

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.3997, 47.6457, 7.1200 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(189, 190, 0)` looks like.

```
.text, #text, p{  
    color:rgb(189, 190, 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(189, 190, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 190, 0) }
```

Border

The CSS property to change the border of an element to XYZ 39.3997, 47.6457, 7.1200 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(189, 190, 0) }
```


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

```
.border{ border-color:rgb(189, 190, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 190, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 190, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 190, 0);  
box-shadow:4px 4px 4px 4px rgb(189, 190,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 39.3997, 47.6457, 7.1200 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 190, 0) }
```

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

```
.background{ background-color: rgb(189,  
190, 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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