

Converting Colors

XYZ(39.3750, 47.4443, 7.0824)

Have a look what the booklet for
XYZ(39.3750, 47.4443, 7.0824)
contains.

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Color

**XYZ(39.1839, 47.2140,
7.0480)**

Conversions

Conversions Part 1

Format	Color
Hex	BDBD00
RGB	189, 189, 0
RGB Percent	74%, 74%, 0%
CMY	0.2588, 0.2588, 0.9999
CMYK	0.00, 0.00, 1.00, 0.26
HSL	60°, 100%, 37%
HSV	60°, 100%, 74%
XYZ	39.1839, 47.2140, 7.0480
YIQ	167.4540, 60.6690, -58.7790

Conversions

Conversions Part 2

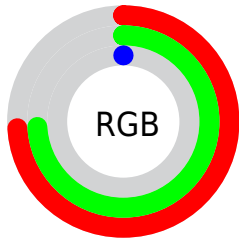
Format	Color
RYB	0, 189, 0
Decimal	12434688
CIELab	74.33, -17.21, 75.43
CIELCh	74, 77.370, 102.852
Yxy	47.2140, 0.4193, 0.5053
Android (android.graphics.Color)	4290624768 (0xFFBDBD00)
YUV	167.4540, -82.5548, 18.8958
Hunter-Lab	68.7124, -18.4555, 42.0172

Details

The XYZ color **39.1839, 47.2140, 7.0480** is a dark color, and the websafe version is hex **CCCC00**. A complement of this color would be **9.1864, 3.6750, 48.3722**, and the grayscale version is **37.3246, 39.2684, 42.7633**.

A 20% lighter version of the original color is **73.2045, 86.0386, 20.5334**, and **18.1642, 22.4336, 3.3728** is the 20% darker color. If you saturate the color by 10%, you get **39.1849, 47.2162, 7.0484**, and if you desaturate by 10%, it is **39.3019, 47.2630, 7.6638**.

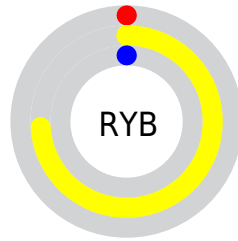
Distribution



Red (74%)

Green (74%)

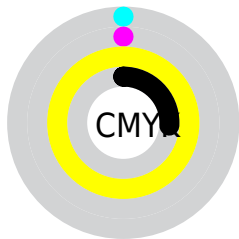
Blue (0%)



Red (0%)

Yellow (74%)

Blue (0%)

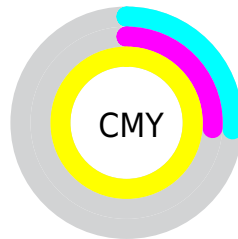


Cyan (0%)

Magenta (0%)

Yellow (100%)

Black (26%)



Cyan (26%)


Magenta (26%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 39.1839, 47.2140, 7.0480 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 39.1839, 47.2140, 7.0480 by changing the saturation by 10% instead.


 39.1839, 47.2140,
7.0480


 39.1839, 47.2140,
7.0480


333.8654,
375.6681, 177.7080


 27.0842, 33.2049,
3.4132


 73.2114, 86.0330,
20.5842


 17.7734, 22.2834,
1.3093


 95.8700, 111.6116,
31.3228

 10.8861, 14.0653,
0.0694


 122.7789,
141.8155, 45.2663

 6.0570, 8.1661,
0.0000

 154.3034,
177.0291, 62.8334

 2.9208, 4.2014,
0.0000

 190.8090,
217.6367, 84.4426

 1.1120, 1.7869,
0.0000

 232.6609,

 0.0351, 0.4790,

264.0229, 110.5124

0.0000

280.2246,
316.5718, 141.4613

■ 0.0000, 0.0000,
0.0000

■ 39.1839, 47.2140,
7.0480

■ 39.1839, 47.2140,
7.0480

■ 39.1849, 47.2162,
7.0484

■ 39.3019, 47.2630,
7.6638

■ 39.5321, 47.3551,
8.8755

■ 39.9169, 47.5090,
10.9010

■ 40.4768, 47.7330,
13.8489

■ 41.2295, 48.0341,
17.8116

■ 42.1902, 48.4184,
22.8701

■ 43.3729, 48.8915,
29.0973

■ 44.7902, 49.4584,
36.5596

■ 46.4537, 50.1238,
45.3188

Harmonies

Analogous

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



53.2348, 47.2140, 7.4507



39.1839, 47.2140, 7.0480



29.0287, 47.2140, 13.2116

Triad

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



39.1839, 47.2140, 7.0480



27.9808, 47.2140, 123.1071



75.6011, 47.2140, 77.4696

Complementary

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



39.1839, 47.2140, 7.0480



9.1864, 3.6750, 48.3722

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.



65.6405, 47.2140, 130.5213



39.1839, 47.2140, 7.0480



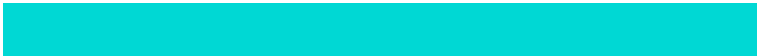
37.4406, 47.2140, 164.8775

Square

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



39.1839, 47.2140, 7.0480



23.5194, 47.2140, 70.4032



51.0932, 47.2140, 168.1320



76.3385, 47.2140, 36.1794

Rectangle

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



39.1839, 47.2140, 7.0480



25.0310, 47.2140, 23.7734



51.0932, 47.2140, 168.1320



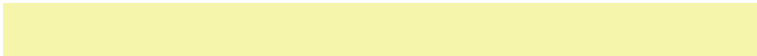
73.1391, 47.2140, 94.8933

Sweetspot

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



39.1850, 47.2162, 7.0490



77.5627, 87.5140, 51.5121



20.9879, 10.8200, 0.9829



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.



39.1850, 47.2162, 7.0490



70.1758, 84.5591, 12.6229



22.8677, 38.8043, 6.2853



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.



9.1864, 3.6750, 48.3722



16.4510, 6.5804, 86.6293



13.8550, 6.0817, 48.5907



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 39.1839, 47.2140, 7.0480 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 39.1839, 47.2140, 7.0480 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 39.1839, 47.2140, 7.0480

Background



This preview shows how black text looks on a background with the XYZ color 39.1839, 47.2140, 7.0480.



This preview shows how white text looks on a background with the XYZ color 39.1839, 47.2140,

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

39.1839, 47.2140, 7.0480

Protanopia

42.3871, 46.9888, 6.8357

Deuteranopia

48.1203, 46.9648, 7.6913



Tritanopia

48.7980, 47.1423, 54.6716

Trichromacy



Original Color

39.1839, 47.2140, 7.0480

Protanomaly

41.1684, 46.9773, 6.8977

Deuteranomaly

44.5482, 46.8828, 7.2736

Tritanomaly

42.9400, 46.2741, 24.4379

Monochromacy



Original Color

39.1839, 47.2140, 7.0480

Achromatopsia

36.7301, 38.6429, 42.0822

Achromatomaly

35.6107, 40.8145, 19.6368

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.1839, 47.2140, 7.0480 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, 189, 0)` looks like.

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

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

Border

The CSS property to change the border of an element to XYZ 39.1839, 47.2140, 7.0480 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, 189, 0) }
```


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

```
.border{ border-color:rgb(189, 189, 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, 189, 0) colored shadow looks like.

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

Background

The CSS property to change the background color of an element to XYZ 39.1839, 47.2140, 7.0480 is called "background". The background property can be set on classes, ids or directly on the HTML element.

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

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

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