

Converting Colors

XYZ(47.2362, 47.4696, 6.6729)

Have a look what the booklet for
XYZ(47.2362, 47.4696, 6.6729)
contains.

XYZ(47.2039, 47.3816, 6.6576)	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(47.2039, 47.3816,
6.6576)**

Conversions

Conversions Part 1

Format	Color
Hex	E3B000
RGB	227, 176, 0
RGB Percent	89%, 69%, 0%
CMY	0.1098, 0.3098, 0.9999
CMYK	0.00, 0.22, 1.00, 0.11
HSL	47°, 100%, 45%
HSV	47°, 100%, 89%
XYZ	47.2039, 47.3816, 6.6576
YIQ	171.1850, 86.8920, -43.9240

Conversions

Conversions Part 2

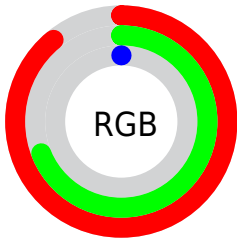
Format	Color
RYB	66, 227, 0
Decimal	14921728
CIELab	74.43, 6.16, 77.13
CIELCh	74, 77.373, 85.433
Yxy	47.3816, 0.4662, 0.4680
Android (android.graphics.Color)	4293111808 (0xFFE3B000)
YUV	171.1850, -84.3942, 48.9498
Hunter-Lab	68.8343, 1.9484, 42.4495

Details

The XYZ color **47.2039, 47.3816, 6.6576** is a dark color, and the websafe version is hex **FFCC33**. The color can be described as middle washed orange. A complement of this color would be **15.0494, 7.9146, 73.4069**, and the grayscale version is **39.1845, 41.2251, 44.8942**.

A 20% lighter version of the original color is **71.2639, 78.9910, 19.0802**, and **22.9335, 22.5223, 3.1385** is the 20% darker color. If you saturate the color by 10%, you get **47.2042, 47.3825, 6.6578**, and if you desaturate by 10%, it is **48.3756, 49.4824, 7.7972**.

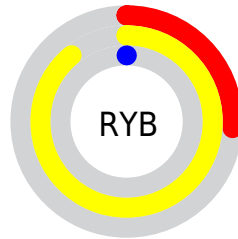
Distribution



Red (89%)

Green (69%)

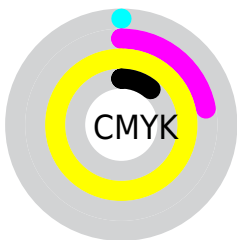
Blue (0%)



Red (26%)

Yellow (89%)

Blue (0%)

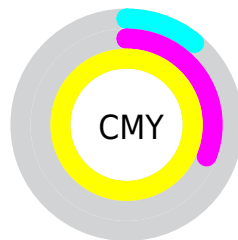


Cyan (0%)

Magenta (22%)

Yellow (100%)

Black (11%)



Cyan (11%)

Magenta (31%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.2039, 47.3816, 6.6576 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 47.2039, 47.3816, 6.6576 by changing the saturation by 10% instead.

47.2039, 47.3816,
6.6576

47.2039, 47.3816,
6.6576

366.2632,
376.3357, 174.3090

33.4055, 33.3374,
3.1737

85.2348, 86.2830,
19.7820

22.5980, 22.3851,
1.1840

110.1980,
111.9089, 30.2596

14.4160, 14.1401,
0.0000

139.6135,
142.1643, 43.9056

8.4942, 8.2182,
0.0000

173.8467,
177.4334, 61.1384

4.4672, 4.2349,
0.0000

213.2629,
218.1007, 82.3766

1.9697, 1.8058,
0.0000

258.2275,

0.6169, 0.4908,

264.5506, 108.0387

0.0000

309.1058,
317.1675, 138.5434

■ 0.0000, 0.0000,
0.0000

■ 47.2039, 47.3816,
6.6576

■ 47.2039, 47.3816,
6.6576

■ 47.2042, 47.3825,
6.6578

■ 48.3756, 49.4824,
7.7972

■ 49.7623, 51.7280,
9.8866

■ 51.4227, 54.1444,
13.2281

■ 53.3901, 56.7457,
17.9950

■ 55.6925, 59.5436,
24.3332

■ 58.3546, 62.5486,
32.3705

■ 61.3985, 65.7701,
42.2214

■ 64.8443, 69.2168,
53.9905

■ 68.7108, 72.8967,
67.7744

Harmonies

Analogous

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



62.0280, 47.3816, 10.6694



47.2039, 47.3816, 6.6576



34.4716, 47.3816, 8.6706

Triad

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



47.2039, 47.3816, 6.6576



24.8982, 47.3816, 92.1032



70.9244, 47.3816, 108.5860

Complementary

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



47.2039, 47.3816, 6.6576



15.0494, 7.9146, 73.4069

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.



57.5615, 47.3816, 156.6770



47.2039, 47.3816, 6.6576



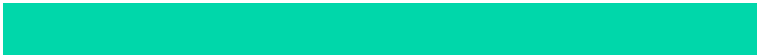
31.4687, 47.3816, 144.1997

Square

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



47.2039, 47.3816, 6.6576



23.2430, 47.3816, 45.7139



42.9332, 47.3816, 172.2654



77.4054, 47.3816, 57.9503

Rectangle

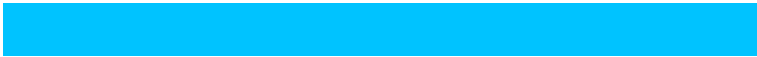
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



47.2039, 47.3816, 6.6576



28.5036, 47.3816, 14.2842



42.9332, 47.3816, 172.2654



66.9697, 47.3816, 126.4330

Sweetspot

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



47.2050, 47.3839, 6.6585



79.8466, 85.5352, 54.6848



32.3206, 16.5880, 4.8639



16.7181, 17.9202, 10.4809



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



47.2050, 47.3839, 6.6585



61.3685, 61.5171, 8.6395



43.2936, 63.0957, 9.8973



15.3126, 16.2391, 15.2318



27.6209, 27.8159, 3.9132



2.1087, 2.1907, 0.3117

Inverse Universe

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



15.0494, 7.9146, 73.4069



19.5274, 10.1747, 95.5425



15.7618, 6.5241, 73.1010



13.8441, 14.4097, 18.1960



8.8484, 4.7589, 42.8354



0.7225, 0.4890, 3.1883

Previews

White Background



This preview shows how the XYZ color 47.2039, 47.3816, 6.6576 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 47.2039, 47.3816, 6.6576 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 47.2039, 47.3816, 6.6576

Background



This preview shows how black text looks on a background with the XYZ color 47.2039, 47.3816, 6.6576.



This preview shows how white text looks on a background with the XYZ color 47.2039, 47.3816,

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

47.2039, 47.3816, 6.6576

Protanopia

42.9330, 47.5705, 7.2358

Deuteranopia

48.4752, 47.4521, 6.9209



Tritanopia

55.7040, 47.5184, 47.3103

Trichromacy



Original Color

47.2039, 47.3816, 6.6576

Protanomaly

44.2938, 47.3592, 7.0077

Deuteranomaly

48.0014, 47.4983, 6.8391

Tritanomaly

50.5315, 46.4988, 21.6411

Monochromacy



Original Color

47.2039, 47.3816, 6.6576

Achromatopsia

38.7082, 40.7240, 44.3485

Achromatomaly

39.1897, 42.0676, 20.5223

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.2039, 47.3816, 6.6576 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(227, 176, 0)` looks like.

```
.text, #text, p{  
    color:rgb(227, 176, 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(227, 176, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 176, 0) }
```

Border

The CSS property to change the border of an element to XYZ 47.2039, 47.3816, 6.6576 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(227, 176, 0) }
```


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

```
.border{ border-color:rgb(227, 176, 0) }
```

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

Here you see how a box with a 4 pixel rgb(227, 176, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 176, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 176, 0);  
box-shadow:4px 4px 4px 4px rgb(227, 176,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 47.2039, 47.3816, 6.6576 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 176, 0) }
```

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

```
.background{ background-color: rgb(227,  
176, 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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