

Converting Colors

XYZ(50.8281, 47.1700, 6.4258)

Have a look what the booklet for
XYZ(50.8281, 47.1700, 6.4258)
contains.

XYZ(50.8059, 47.2532, 6.4430)	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(50.8059, 47.2532,
6.4430)**

Conversions

Conversions Part 1

Format	Color
Hex	F2A900
RGB	242, 169, 0
RGB Percent	95%, 66%, 0%
CMY	0.0510, 0.3372, 0.9999
CMYK	0.00, 0.30, 1.00, 0.05
HSL	42°, 100%, 47%
HSV	42°, 100%, 95%
XYZ	50.8059, 47.2532, 6.4430
YIQ	171.5610, 97.7570, -37.0830

Conversions

Conversions Part 2

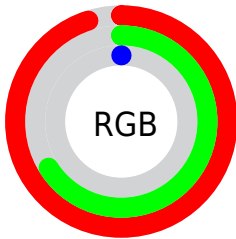
Format	Color
RYB	105, 242, 0
Decimal	15902976
CIELab	74.35, 16.34, 77.84
CIELCh	74, 79.538, 78.146
Yxy	47.2532, 0.4862, 0.4522
Android (android.graphics.Color)	4294093056 (0xFFFF2A900)
YUV	171.5610, -84.5796, 61.7750
Hunter-Lab	68.7410, 11.6312, 42.5615

Details

The XYZ color **50.8059, 47.2532, 6.4430** is a dark color, and the websafe version is hex **CC9900**, and the color name is **bitcoin orange**. The color can be described as middle saturated orange. A complement of this color would be **18.4101, 11.1770, 85.1907**, and the grayscale version is **39.3720, 41.4224, 45.1090**.

A 20% lighter version of the original color is **69.3436, 75.1505, 18.4401**, and **25.1837, 22.4259, 3.0013** is the 20% darker color. If you saturate the color by 10%, you get **50.8060, 47.2538, 6.4431**, and if you desaturate by 10%, it is **52.3703, 50.1150, 7.7889**.

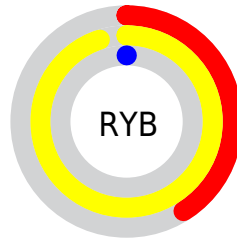
Distribution



Red (95%)

Green (66%)

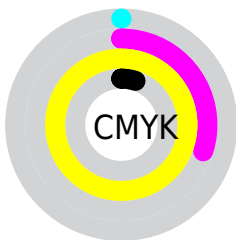
Blue (0%)



Red (41%)

Yellow (95%)

Blue (0%)

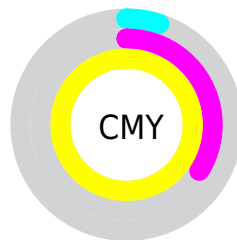


Cyan (0%)

Magenta (30%)

Yellow (100%)

Black (5%)



Cyan (5%)


Magenta (34%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.8059, 47.2532, 6.4430 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 50.8059, 47.2532, 6.4430 by changing the saturation by 10% instead.


 50.8059, 47.2532,
6.4430


 50.8059, 47.2532,
6.4430


380.2093,
375.8243, 172.4031

 36.2746, 33.2359,
3.0432


 90.5525, 86.0914,
19.3370

 24.8174, 22.3072,
1.1167


 116.4985,
111.6811, 29.6682


 16.0691, 14.0828,
0.0000


 146.9800,
141.8971, 43.1470

 9.6642, 8.1783,
0.0000

 182.3626,
177.1237, 60.1919

 5.2374, 4.2092,
0.0000

 223.0114,
217.7453, 81.2214

 2.4234, 1.7913,
0.0000

 269.2919,

 0.8568, 0.4817,

264.1463, 106.6541

0.0000

321.5694,
316.7112, 136.9085

■ 0.0000, 0.0000,
0.0000

■ 50.8059, 47.2532,
6.4430

■ 50.8059, 47.2532,
6.4430

■ 50.8060, 47.2538,
6.4431

■ 52.3703, 50.1150,
7.7889

■ 54.2186, 53.2115,
10.2547

■ 56.4178, 56.5736,
14.1830

■ 59.0078, 60.2190,
19.7776

■ 62.0222, 64.1628,
27.2099

■ 65.4903, 68.4186,
36.6296

■ 69.4388, 72.9987,
48.1712

■ 73.8919, 77.9145,
61.9572

■ 78.8720, 83.1768,
78.1006

Harmonies

Analogous

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



65.8896, 47.2532, 12.2438



50.8059, 47.2532, 6.4430



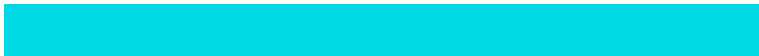
36.8760, 47.2532, 7.0198

Triad

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



50.8059, 47.2532, 6.4430



23.5099, 47.2532, 80.1054



68.6858, 47.2532, 123.9843

Complementary

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



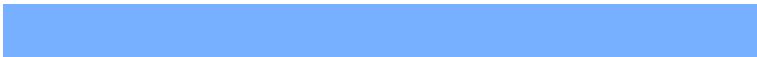
50.8059, 47.2532, 6.4430



18.4101, 11.1770, 85.1907

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.



54.0398, 47.2532, 168.5542



50.8059, 47.2532, 6.4430



28.9401, 47.2532, 135.3072

Square

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



50.8059, 47.2532, 6.4430



23.0057, 47.2532, 36.9004



39.4939, 47.2532, 173.5412



77.5858, 47.2532, 69.3969

Rectangle

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



50.8059, 47.2532, 6.4430



29.9696, 47.2532, 11.0277



39.4939, 47.2532, 173.5412



64.1442, 47.2532, 141.6485

Sweetspot

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



50.8069, 47.2556, 6.4439



78.1615, 82.1652, 54.1231



37.9448, 19.4082, 8.7017



16.3133, 17.1105, 10.3459



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.



50.8069, 47.2556, 6.4439



57.1766, 53.1332, 7.2422



54.9447, 75.4600, 11.6698



16.6970, 17.6072, 16.6682



27.4192, 25.6364, 3.5032



2.3679, 2.3064, 0.3204

Inverse Universe

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



18.4101, 11.1770, 85.1907



20.6982, 12.5164, 95.9327



17.0821, 6.9550, 84.4458



15.2860, 16.0061, 20.0054



9.9942, 6.2127, 45.8003



0.9155, 0.6850, 3.8382

Previews

White Background



This preview shows how the XYZ color 50.8059, 47.2532, 6.4430 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 50.8059, 47.2532, 6.4430 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 50.8059, 47.2532, 6.4430

Background



This preview shows how black text looks on a background with the XYZ color 50.8059, 47.2532, 6.4430.



This preview shows how white text looks on a background with the XYZ color 50.8059, 47.2532,

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

50.8059, 47.2532, 6.4430

Protanopia

42.9588, 47.5809, 7.3718

Deuteranopia

48.4148, 47.4279, 6.6028



Tritanopia

58.2853, 47.1183, 43.5589

Trichromacy



Original Color

50.8059, 47.2532, 6.4430

Protanomaly

45.6901, 47.4778, 7.0432

Deuteranomaly

49.3446, 47.3379, 6.5364

Tritanomaly

53.4577, 46.1653, 20.2806

Monochromacy



Original Color

50.8059, 47.2532, 6.4430

Achromatopsia

39.2122, 41.2543, 44.9259

Achromatomaly

40.3492, 42.1003, 20.4675

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.8059, 47.2532, 6.4430 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(242, 169, 0)` looks like.

```
.text, #text, p{  
    color:rgb(242, 169, 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(242, 169, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 169, 0) }
```

Border

The CSS property to change the border of an element to XYZ 50.8059, 47.2532, 6.4430 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(242, 169, 0) }
```


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

```
.border{ border-color:rgb(242, 169, 0) }
```

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

Here you see how a box with a 4 pixel rgb(242, 169, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 169, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 169, 0);  
box-shadow:4px 4px 4px 4px rgb(242, 169,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 50.8059, 47.2532, 6.4430 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 169, 0) }
```

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

```
.background{ background-color: rgb(242,  
169, 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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