

Converting Colors

XYZ(38.1880, 35.6410, 4.8667)

Have a look what the booklet for
XYZ(38.1880, 35.6410, 4.8667)
contains.

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Color

**XYZ(38.1880, 35.6410,
4.8667)**

Conversions

Conversions Part 1

Format	Color
Hex	D59500
RGB	213, 149, 0
RGB Percent	84%, 58%, 0%
CMY	0.1647, 0.4157, 0.9999
CMYK	0.00, 0.30, 1.00, 0.16
HSL	42°, 100%, 42%
HSV	42°, 100%, 84%
XYZ	38.1880, 35.6410, 4.8667
YIQ	151.1500, 85.9730, -32.7710

Conversions

Conversions Part 2

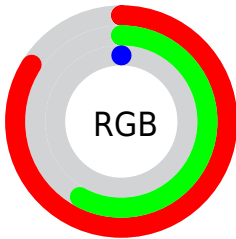
Format	Color
RYB	91, 213, 0
Decimal	13997312
CIELab	66.24, 14.45, 70.82
CIELCh	66, 72.282, 78.472
Yxy	35.6410, 0.4853, 0.4529
Android (android.graphics.Color)	4292187392 (0xFFD59500)
YUV	151.1500, -74.5169, 54.2425
Hunter-Lab	59.7001, 9.7049, 36.9568

Details

The XYZ color **38.1880, 35.6410, 4.8667** is a dark color, and the websafe version is hex **CC9900**. The color can be described as dark washed orange. A complement of this color would be **13.8441, 8.4717, 63.8558**, and the grayscale version is **29.7648, 31.3148, 34.1019**.

A 20% lighter version of the original color is **63.8320, 64.4663, 15.5575**, and **17.5987, 15.6960, 2.1021** is the 20% darker color. If you saturate the color by 10%, you get **38.1881, 35.6415, 4.8668**, and if you desaturate by 10%, it is **39.3676, 37.7793, 5.9420**.

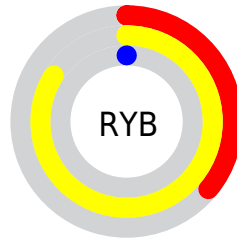
Distribution



Red (84%)

Green (58%)

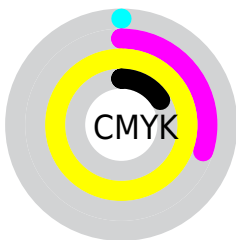
Blue (0%)



Red (36%)

Yellow (84%)

Blue (0%)

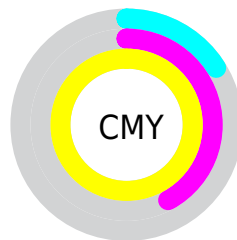


Cyan (0%)

Magenta (30%)

Yellow (100%)

Black (16%)



Cyan (16%)


Magenta (42%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.1880, 35.6410, 4.8667 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 38.1880, 35.6410, 4.8667 by changing the saturation by 10% instead.


 38.1880, 35.6410,
4.8667


 38.1880, 35.6410,
4.8667


329.6927,
327.3887, 157.4201


 26.3065, 24.1571,
2.1119


 71.6982, 68.4776,
15.9639


 17.1870, 15.4502,
0.6228


 94.0577, 90.5990,
25.1433


 10.4640, 9.1359,
0.0000


 120.6405,
117.0351, 37.3014

 5.7723, 4.8300,
0.0000

 151.8121,
148.1702, 52.8566

 2.7465, 2.1478,
0.0000

 187.9377,
184.3887, 72.2276

 1.0211, 0.6913,
0.0000

 229.3828,

 0.0000, 0.0000,

226.0750, 95.8328

0.0000

276.5127,
273.6136, 124.0908

38.1880, 35.6410,
4.8667

38.1880, 35.6410,
4.8667

38.1881, 35.6415,
4.8668

39.3676, 37.7793,
5.9420

40.7554, 40.0898,
7.8385

42.4038, 42.5963,
10.8245

44.3417, 45.3116,
15.0478

46.5934, 48.2469,
20.6328

■ 49.1805, 51.4120,
27.6890

■ 52.1224, 54.8159,
36.3145

■ 55.4367, 58.4669,
46.5987

■ 59.1398, 62.3728,
58.6246

Harmonies

Analogous

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



49.5546, 35.6410, 9.1771



38.1880, 35.6410, 4.8667



27.7255, 35.6410, 5.3478

Triad

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



38.1880, 35.6410, 4.8667



17.7777, 35.6410, 60.8095



51.8766, 35.6410, 92.9465

Complementary

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



38.1880, 35.6410, 4.8667



13.8441, 8.4717, 63.8558

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.



40.8742, 35.6410, 126.6935



38.1880, 35.6410, 4.8667



21.9111, 35.6410, 102.3439

Square

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



38.1880, 35.6410, 4.8667



17.3585, 35.6410, 28.1140



29.9009, 35.6410, 130.8314



58.5054, 35.6410, 51.9165

Rectangle

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



38.1880, 35.6410, 4.8667



22.5505, 35.6410, 8.4207



29.9009, 35.6410, 130.8314



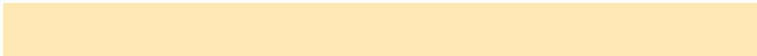
48.4714, 35.6410, 106.2776

Sweetspot

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



38.1888, 35.6428, 4.8674



78.1870, 82.2161, 54.1316



28.4674, 14.5571, 6.6921



16.3194, 17.1227, 10.3480



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.



38.1888, 35.6428, 4.8674



57.2368, 53.2535, 7.2623



41.2389, 56.5813, 8.7481



13.1432, 13.8606, 13.1434



23.4204, 21.9581, 3.0039



1.4835, 1.4663, 0.2048

Inverse Universe

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



13.8441, 8.4717, 63.8558



20.6771, 12.4743, 95.9257



12.8493, 5.2369, 63.2838



12.0438, 12.6110, 15.7369



8.5348, 5.3314, 39.0324



0.5867, 0.4655, 2.3782

Previews

White Background



This preview shows how the XYZ color 38.1880, 35.6410, 4.8667 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 38.1880, 35.6410, 4.8667 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 38.1880, 35.6410, 4.8667

Background



This preview shows how black text looks on a background with the XYZ color 38.1880, 35.6410, 4.8667.



This preview shows how white text looks on a background with the XYZ color 38.1880, 35.6410,

4.8667.

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

38.1880, 35.6410, 4.8667

Protanopia

32.2844, 35.8148, 5.5921

Deuteranopia

36.2931, 35.6198, 4.9625



Tritanopia

44.0285, 35.5625, 32.9775

Trichromacy



Original Color

38.1880, 35.6410, 4.8667

Protanomaly

34.0931, 35.4689, 5.2790

Deuteranomaly

36.9604, 35.7219, 4.9470

Tritanomaly

40.3538, 34.9239, 15.4406

Monochromacy



Original Color

38.1880, 35.6410, 4.8667

Achromatopsia

29.4150, 30.9469, 33.7012

Achromatomaly

30.4732, 31.6559, 15.5704

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.1880, 35.6410, 4.8667 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(213, 149, 0)` looks like.

```
.text, #text, p{  
    color:rgb(213, 149, 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(213, 149, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 149, 0) }
```

Border

The CSS property to change the border of an element to XYZ 38.1880, 35.6410, 4.8667 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(213, 149, 0) }
```


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

```
.border{ border-color:rgb(213, 149, 0) }
```

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

Here you see how a box with a 4 pixel rgb(213, 149, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 149, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 149, 0);  
box-shadow:4px 4px 4px 4px rgb(213, 149,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 38.1880, 35.6410, 4.8667 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 149, 0) }
```

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

```
.background{ background-color: rgb(213,  
149, 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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