

Converting Colors

XYZ(48.3218, 36.8070, 4.5576)

Have a look what the booklet for
XYZ(48.3218, 36.8070, 4.5576)
contains.

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Color

**XYZ(48.1275, 36.6607,
4.5396)**

Conversions

Conversions Part 1

Format	Color
Hex	FC8200
RGB	252, 130, 0
RGB Percent	99%, 51%, 0%
CMY	0.0118, 0.4902, 1.0000
CMYK	0.00, 0.48, 1.00, 0.01
HSL	31°, 100%, 49%
HSV	31°, 100%, 99%
XYZ	48.1275, 36.6607, 4.5396
YIQ	151.6580, 114.4420, -14.5660

Conversions

Conversions Part 2

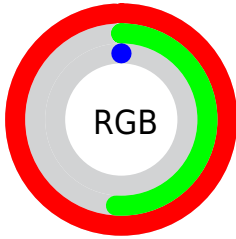
Format	Color
R _Y B	236, 252, 0
Decimal	16548352
CIE Lab	67.02, 40.67, 73.79
CIE LCh	67, 84.257, 61.137
Yxy	36.6607, 0.5388, 0.4104
Android (android.graphics.Color)	4294738432 (0xFFFC8200)
YUV	151.6580, -74.7674, 87.9999
Hunter-Lab	60.5481, 35.9241, 37.9384

Details

The XYZ color **48.1275, 36.6607, 4.5396** is a dark color, and the websafe version is hex **FF9900**. The color can be described as dark saturated orange. A complement of this color would be **24.5302, 20.9474, 94.8450**, and the grayscale version is **29.9766, 31.5377, 34.3446**.

A 20% lighter version of the original color is **59.5831, 56.0220, 13.9763**, and **23.4634, 16.1401, 1.8787** is the 20% darker color. If you saturate the color by 10%, you get **48.1277, 36.6615, 4.5398**, and if you desaturate by 10%, it is **50.0262, 40.1742, 6.0493**.

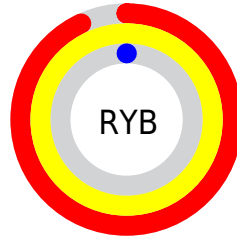
Distribution



Red (99%)

Green (51%)

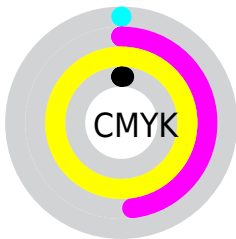
Blue (0%)



Red (93%)

Yellow (99%)

Blue (0%)

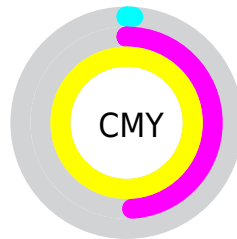


Cyan (0%)

Magenta (48%)

Yellow (100%)

Black (1%)



Cyan (1%)


Magenta (49%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.1275, 36.6607, 4.5396 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 48.1275, 36.6607, 4.5396 by changing the saturation by 10% instead.


 48.1275, 36.6607,
4.5396


 48.1275, 36.6607,
4.5396

369.8715,
331.8392, 154.0465


 34.1395, 24.9449,
1.9258


 86.6028, 70.0506,
15.2363


 23.1642, 16.0360,
0.5091


 111.8208, 92.4935,
24.1562


 14.8362, 9.5496,
0.0000


 141.5128,
119.2810, 36.0153

 8.7901, 5.1014,
0.0000

 176.0443,
150.7973, 51.2320

 4.6605, 2.3069,
0.0000

 215.7805,
187.4268, 70.2250


 2.0822, 0.7773,
0.0000

 261.0869,


 0.6795, 0.0000,


229.5541, 93.4127


0.0000


 312.3288,
277.5634, 121.2136


 0.0000, 0.0000,
0.0000


 48.1275, 36.6607,
4.5396


 48.1275, 36.6607,
4.5396


 48.1277, 36.6615,
4.5398

 50.0262, 40.1742,
6.0493

 52.3520, 44.1749,
8.8314

 55.1823, 48.7052,
13.2590

 58.5654, 53.7937,
19.5593

 62.5431, 59.4660,
27.9233

67.1519, 65.7453,
38.5179

72.4252, 72.6534,
51.4928

78.3936, 80.2104,
66.9847

85.0856, 88.4355,
85.1196

Harmonies

Analogous

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



60.4428, 36.6607, 13.4366



48.1275, 36.6607, 4.5396



34.3588, 36.6607, 2.7811

Triad

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



48.1275, 36.6607, 4.5396



15.5751, 36.6607, 41.3324



49.1843, 36.6607, 135.7551

Complementary

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



48.1275, 36.6607, 4.5396



24.5302, 20.9474, 94.8450

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.



35.3356, 36.6607, 160.0055



48.1275, 36.6607, 4.5396



17.7383, 36.6607, 88.5862

Square

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



48.1275, 36.6607, 4.5396



17.4288, 36.6607, 14.6434



24.2630, 36.6607, 138.9429



61.1507, 36.6607, 84.5279

Rectangle

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



48.1275, 36.6607, 4.5396



26.7017, 36.6607, 3.6611



24.2630, 36.6607, 138.9429



44.4952, 36.6607, 148.3675

Sweetspot

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



48.1283, 36.6627, 4.5402



74.3887, 74.6194, 52.8655



43.9108, 22.2019, 21.7111



15.4149, 15.3138, 10.0465



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.



48.1283, 36.6627, 4.5402



49.4306, 37.6412, 4.6602



74.9547, 90.3155, 13.4824



17.9852, 18.7063, 18.1252



25.2189, 19.3944, 2.4143



2.4419, 2.0086, 0.2590

Inverse Universe

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



24.5302, 20.9474, 94.8450



25.1887, 21.4974, 97.4296



17.5708, 7.0285, 92.5252



16.9766, 18.0299, 21.9707



12.9240, 11.2035, 49.4549



1.3026, 1.2489, 4.6156

Previews

White Background



This preview shows how the XYZ color 48.1275, 36.6607, 4.5396 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 48.1275, 36.6607, 4.5396 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 48.1275, 36.6607, 4.5396

Background



This preview shows how black text looks on a background with the XYZ color 48.1275, 36.6607, 4.5396.



This preview shows how white text looks on a background with the XYZ color 48.1275, 36.6607,

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

48.1275, 36.6607, 4.5396

Protanopia

33.1874, 36.7992, 6.1128

Deuteranopia

37.4535, 36.7081, 5.1114



Tritanopia

52.2288, 36.7908, 25.4677

Trichromacy



Original Color

48.1275, 36.6607, 4.5396

Protanomaly

37.6020, 36.0435, 5.3907

Deuteranomaly

40.7103, 36.2457, 4.8505

Tritanomaly

49.7680, 36.3626, 12.5792

Monochromacy



Original Color

48.1275, 36.6607, 4.5396

Achromatopsia

29.8446, 31.3989, 34.1934

Achromatomaly

32.8700, 31.5010, 15.6571

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.1275, 36.6607, 4.5396 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(252, 130, 0)` looks like.

```
.text, #text, p{  
    color:rgb(252, 130, 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(252, 130, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 130, 0) }
```

Border

The CSS property to change the border of an element to XYZ 48.1275, 36.6607, 4.5396 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(252, 130, 0) }
```


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

```
.border{ border-color:rgb(252, 130, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(252, 130, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 130, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 130, 0);  
box-shadow:4px 4px 4px 4px rgb(252, 130,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 48.1275, 36.6607, 4.5396 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 130, 0) }
```

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

```
.background{ background-color: rgb(252,  
130, 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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