

Converting Colors

XYZ(48.6024, 42.7188, 5.6839)

Have a look what the booklet for
XYZ(48.6024, 42.7188, 5.6839)
contains.

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Color

**XYZ(48.5064, 42.6542,
5.6765)**

Conversions

Conversions Part 1

Format	Color
Hex	F29C00
RGB	242, 156, 0
RGB Percent	95%, 61%, 0%
CMY	0.0510, 0.3882, 0.9999
CMYK	0.00, 0.36, 1.00, 0.05
HSL	39°, 100%, 47%
HSV	39°, 100%, 95%
XYZ	48.5064, 42.6542, 5.6765
YIQ	163.9300, 101.3320, -30.2840

Conversions

Conversions Part 2

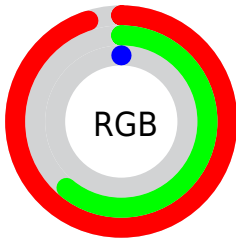
Format	Color
RYB	133, 242, 0
Decimal	15899648
CIELab	71.32, 23.19, 75.84
CIELCh	71, 79.303, 72.997
Yxy	42.6542, 0.5009, 0.4405
Android (android.graphics.Color)	4294089728 (0xFFFF29C00)
YUV	163.9300, -80.8175, 68.4674
Hunter-Lab	65.3102, 18.2806, 40.5639

Details

The XYZ color **48.5064, 42.6542, 5.6765** is a dark color, and the websafe version is hex **FF9900**. The color can be described as middle saturated orange. A complement of this color would be **19.3553, 13.0673, 85.5057**, and the grayscale version is **35.5939, 37.4476, 40.7804**.

A 20% lighter version of the original color is **65.8738, 68.3844, 16.7488**, and **23.6420, 19.6869, 2.5539** is the 20% darker color. If you saturate the color by 10%, you get **48.5065, 42.6548, 5.6766**, and if you desaturate by 10%, it is **50.1690, 45.7125, 7.0550**.

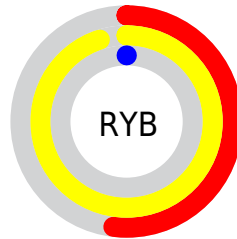
Distribution



Red (95%)

Green (61%)

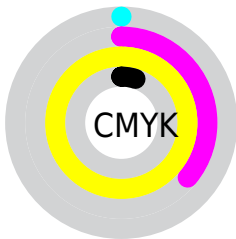
Blue (0%)



Red (52%)

Yellow (95%)

Blue (0%)

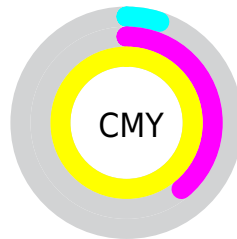


Cyan (0%)

Magenta (36%)

Yellow (100%)

Black (5%)



Cyan (5%)


Magenta (39%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.5064, 42.6542, 5.6765 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 48.5064, 42.6542, 5.6765 by changing the saturation by 10% instead.


 48.5064, 42.6542,
5.6765


 48.5064, 42.6542,
5.6765


371.3451,
357.1877, 165.3528

 34.4410, 29.6139,
2.5838


 87.1630, 79.1888,
17.7216

 23.3971, 19.5457,
0.8841


 112.4850,
103.4518, 27.5110


 15.0093, 12.0653,
0.0000


 142.2899,
132.2246, 40.3698

 8.9123, 6.7881,
0.0000

 176.9430,
165.8914, 56.7165

 4.7407, 3.3300,
0.0000

 216.8097,
204.8368, 76.9696

 2.1291, 1.3063,
0.0000

 262.2554,

 0.7050, 0.1461,

249.4450, 101.5477

0.0000

313.6454,
300.1005, 130.8692

0.0000, 0.0000,
0.0000

48.5064, 42.6542,
5.6765

48.5064, 42.6542,
5.6765

48.5065, 42.6548,
5.6766

50.1690, 45.7125,
7.0550

52.1429, 49.0603,
9.5626

54.4957, 52.7295,
13.5419

57.2680, 56.7396,
19.1971

60.4943, 61.1072,
26.6998

■ 64.2046, 65.8474,
36.2001

■ 68.4262, 70.9739,
47.8325

■ 73.1842, 76.4995,
61.7199

■ 78.5015, 82.4361,
77.9755

Harmonies

Analogous

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



62.3211, 42.6542, 12.2191



48.5064, 42.6542, 5.6765



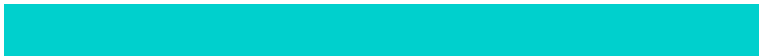
35.0469, 42.6542, 5.3557

Triad

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



48.5064, 42.6542, 5.6765



20.3472, 42.6542, 64.9819



60.6492, 42.6542, 123.4571

Complementary

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



48.5064, 42.6542, 5.6765



19.3553, 13.0673, 85.5057

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.



46.5824, 42.6542, 160.9388



48.5064, 42.6542, 5.6765



24.5387, 42.6542, 116.6262

Square

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



48.5064, 42.6542, 5.6765



20.6414, 42.6542, 28.1179



33.5001, 42.6542, 157.9174



70.3173, 42.6542, 71.3800

Rectangle

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



48.5064, 42.6542, 5.6765



28.1256, 42.6542, 8.0784



33.5001, 42.6542, 157.9174



56.1603, 42.6542, 139.1953

Sweetspot

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



48.5073, 42.6564, 5.6773



77.0187, 79.8795, 53.7421



38.4101, 19.5943, 11.1520



16.0399, 16.5638, 10.2548



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.



48.5073, 42.6564, 5.6773



54.5841, 47.9483, 6.3780



58.2547, 77.1664, 11.8246



16.6229, 17.4589, 16.6435



26.1919, 23.1819, 3.0941



2.2723, 2.1154, 0.2885

Inverse Universe

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



19.3553, 13.0673, 85.5057



21.7584, 14.6368, 96.2861



16.6314, 6.7226, 84.4247



15.3569, 16.1478, 20.0291



10.5142, 7.2526, 45.9736



0.9653, 0.7845, 3.8548

Previews

White Background



This preview shows how the XYZ color 48.5064, 42.6542, 5.6765 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 48.5064, 42.6542, 5.6765 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 48.5064, 42.6542, 5.6765

Background



This preview shows how black text looks on a background with the XYZ color 48.5064, 42.6542, 5.6765.



This preview shows how white text looks on a background with the XYZ color 48.5064, 42.6542,

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

48.5064, 42.6542, 5.6765

Protanopia

38.6525, 42.9615, 6.7855

Deuteranopia

43.4550, 42.6446, 5.9409



Tritanopia

54.8375, 42.6076, 36.7863

Trichromacy



Original Color

48.5064, 42.6542, 5.6765

Protanomaly

41.6889, 42.5462, 6.3316

Deuteranomaly

45.2334, 42.4987, 5.8190

Tritanomaly

51.0056, 41.9886, 17.2207

Monochromacy



Original Color

48.5064, 42.6542, 5.6765

Achromatopsia

35.2861, 37.1238, 40.4278

Achromatomaly

36.9818, 37.6957, 18.4235

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.5064, 42.6542, 5.6765 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, 156, 0)` looks like.

```
.text, #text, p{  
    color:rgb(242, 156, 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, 156, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 156, 0) }
```

Border

The CSS property to change the border of an element to XYZ 48.5064, 42.6542, 5.6765 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, 156, 0) }
```


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

```
.border{ border-color:rgb(242, 156, 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, 156, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 156, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 156, 0);  
box-shadow:4px 4px 4px 4px rgb(242, 156,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 48.5064, 42.6542, 5.6765 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 156, 0) }
```

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

```
.background{ background-color: rgb(242,  
156, 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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