

# Converting Colors

XYZ(40.9593, 28.4621, 4.1978)

Have a look what the booklet for  
XYZ(40.9593, 28.4621, 4.1978)  
contains.

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# Color

**XYZ(41.0504, 28.4918,  
4.2000)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	F06818
RGB	240, 104, 24
RGB Percent	94%, 41%, 9%
CMY	0.0588, 0.5921, 0.9059
CMYK	0.00, 0.57, 0.90, 0.06
HSL	22°, 88%, 52%
HSV	22°, 90%, 94%
XYZ	41.0504, 28.4918, 4.2000
YIQ	135.5440, 106.7360, 3.9520

# Conversions

## Conversions Part 2

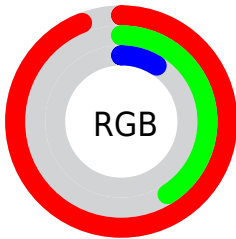
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">240, 151, 24</a>
Decimal	<a href="#">15755288</a>
<a href="#">CIELab</a>	<a href="#">60.33, 48.94, 64.03</a>
<a href="#">CIElCh</a>	<a href="#">60, 80.587, 52.610</a>
<a href="#">Yxy</a>	<a href="#">28.4918, 0.5567, 0.3864</a>
Android (android.graphics.Color)	<a href="#">4293945368</a> (0xFFFF06818)
<a href="#">YUV</a>	<a href="#">135.5440, -54.9912, 91.6079</a>
<a href="#">Hunter-Lab</a>	<a href="#">53.3777, 43.8653, 32.6992</a>

# Details

The XYZ color **41.0504, 28.4918, 4.2000** is a dark color, and the websafe version is hex **FF6600**. The color can be described as dark washed orange. A complement of this color would be **28.6746, 31.6250, 87.0305**, and the grayscale version is **23.4033, 24.6221, 26.8135**.

A 20% lighter version of the original color is **54.8781, 46.2782, 13.4373**, and **19.0451, 11.5113, 1.2181** is the 20% darker color. If you saturate the color by 10%, you get **39.4989, 25.6529, 2.8698**, and if you desaturate by 10%, it is **43.0795, 31.9605, 6.6951**.

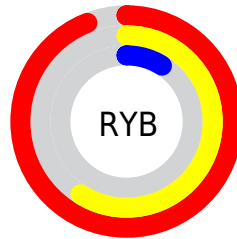
# Distribution



Red (94%)

Green (41%)

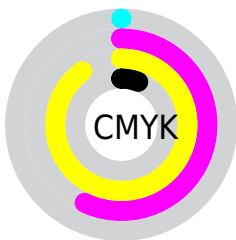
Blue (9%)



Red (94%)

Yellow (59%)

Blue (9%)

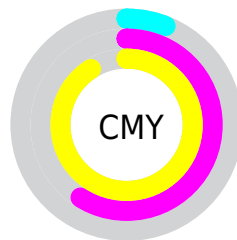


Cyan (0%)

Magenta (57%)

Yellow (90%)

Black (6%)



Cyan (6%)

Magenta (59%)


Yellow (91%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 41.0504, 28.4918, 4.2000 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 41.0504, 28.4918, 4.2000 by changing the saturation by 10% instead.





 41.0504, 28.4918,  
4.2000


 41.0504, 28.4918,  
4.2000


341.5902,  
294.8095, 150.4231


 28.5463, 18.6967,  
1.7357


 76.0346, 57.2687,  
14.4685

 18.8804, 11.4513,  
0.3850


 99.2455, 77.0192,  
23.1097

 11.6874, 6.3713,  
0.0000


 126.7559,  
100.8571, 34.6470

 6.6019, 3.0721,  
0.0000

 158.9314,  
129.1666, 49.4988

 3.2585, 1.1695,  
0.0000

 196.1372,  
162.3323, 68.0838


 1.2919, 0.0366,  
0.0000

 238.7387,


 0.1771, 0.0000,


200.7384, 90.8205


0.0000


 287.1012,  
244.7693, 118.1274


 0.0000, 0.0000,  
0.0000


 41.0504, 28.4918,  
4.2000


 41.0504, 28.4918,  
4.2000

 39.4989, 25.6529,  
2.8698

 43.0795, 31.9605,  
6.6951

 39.4987, 25.6526,  
2.8696

 45.6615, 36.1066,  
10.6940

 48.8476, 40.9722,  
16.4009

 52.6814, 46.5934,  
23.9870

 57.2018, 53.0040,  
33.6026

62.4444, 60.2350,  
45.3824

68.4422, 68.3160,  
59.4497

75.2257, 77.2747,  
75.9181

82.8240, 87.1375,  
94.8939

# Harmonies

## Analogous

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



49.9170, 28.4918, 13.8659



41.0504, 28.4918, 4.2000



29.7215, 28.4918, 1.8793

# Triad

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



41.0504, 28.4918, 4.2000



11.7520, 28.4918, 24.2549



35.4740, 28.4918, 118.9751

# Complementary

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



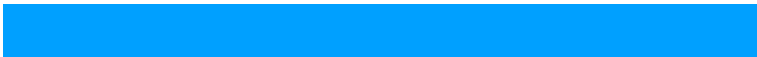
41.0504, 28.4918, 4.2000



28.6746, 31.6250, 87.0305

# 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.



24.6010, 28.4918, 128.8060



41.0504, 28.4918, 4.2000



12.5514, 28.4918, 58.4958

# Square

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



41.0504, 28.4918, 4.2000



14.1475, 28.4918, 7.6895



16.7053, 28.4918, 101.9043



46.1673, 28.4918, 80.0916



# Rectangle

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



41.0504, 28.4918, 4.2000



22.9645, 28.4918, 2.0218



16.7053, 28.4918, 101.9043



31.6614, 28.4918, 126.4916

# Sweetspot

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



41.0510, 28.4934, 4.2005



73.5755, 71.7248, 56.5044



42.6771, 21.7447, 35.5740



15.2681, 14.6996, 10.9853



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.



41.0510, 28.4934, 4.2005



45.2830, 29.3461, 3.2777



59.4438, 65.2790, 10.3314



16.2523, 16.7178, 16.5200



21.7389, 14.2759, 1.6098



1.9006, 1.3719, 0.1646

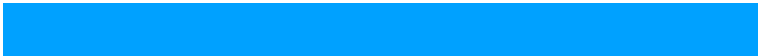


# Inverse Universe

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



28.6746, 31.6250, 87.0305



30.7160, 32.5520, 99.2720



17.3690, 9.0137, 83.2620



15.7267, 16.8875, 20.1523



14.8086, 15.8414, 47.4051



1.3268, 1.5075, 3.9753



# Previews

## White Background



This preview shows how the XYZ color 41.0504, 28.4918, 4.2000 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 41.0504, 28.4918, 4.2000 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 × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 41.0504, 28.4918, 4.2000**

## **Background**



This preview shows how black text looks on a background with the XYZ color 41.0504, 28.4918, 4.2000.



This preview shows how white text looks on a background with the XYZ color 41.0504, 28.4918,



# 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

41.0504, 28.4918, 4.2000

### Protanopia

25.8921, 28.5716, 5.7403

### Deuteranopia

28.8556, 28.3673, 3.9546



## Tritanopia

43.6850, 28.5833, 16.0466

# Trichromacy



## Original Color

41.0504, 28.4918, 4.2000

## Protanomaly

30.1019, 27.5380, 5.0251

## Deuteranomaly

32.4120, 27.7788, 3.9120

## Tritanomaly

42.4112, 28.4860, 9.7416

# Monochromacy



## Original Color

41.0504, 28.4918, 4.2000

## Achromatopsia

23.4014, 24.6201, 26.8113

## Achromatomaly

26.7288, 24.2402, 14.0965

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 41.0504, 28.4918, 4.2000 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(240, 104, 24)` looks like.

```
.text, #text, p{  
    color:rgb(240, 104, 24)  
}
```

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(240, 104, 24) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 104, 24) }
```

## Border

The CSS property to change the border of an element to XYZ 41.0504, 28.4918, 4.2000 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(240, 104, 24) }
```



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

```
.border{ border-color:rgb(240, 104, 24) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 104, 24)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 104, 24); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 104, 24);  
box-shadow:4px 4px 4px 4px rgb(240, 104,  
24) }
```

# Background

The CSS property to change the background color of an element to XYZ 41.0504, 28.4918, 4.2000 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 104, 24) }
```

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

```
.background{ background-color: rgb(240,  
104, 24) }
```

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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