

Converting Colors

XYZ(41.7767, 30.2084, 3.6289)

Have a look what the booklet for
XYZ(41.7767, 30.2084, 3.6289)
contains.

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Color

**XYZ(41.7294, 30.1136,
3.6131)**

Conversions

Conversions Part 1

Format	Color
Hex	F07000
RGB	240, 112, 0
RGB Percent	94%, 44%, 0%
CMY	0.0588, 0.5608, 1.0000
CMYK	0.00, 0.53, 1.00, 0.06
HSL	28°, 100%, 47%
HSV	28°, 100%, 94%
XYZ	41.7294, 30.1136, 3.6131
YIQ	137.5040, 112.2400, -7.6960

Conversions

Conversions Part 2

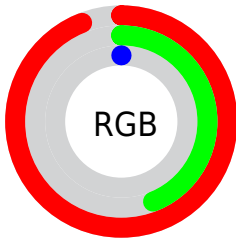
Format	Color
R_{YB}	240, 210, 0
Decimal	15757312
CIE _{Lab}	61.75, 44.88, 69.79
CIE _{LCh}	62, 82.972, 57.255
Yxy	30.1136, 0.5530, 0.3991
Android (android.graphics.Color)	4293947392 (0xFFFF07000)
YUV	137.5040, -67.7895, 89.8890
Hunter-Lab	54.8759, 39.7045, 34.5094

Details

The XYZ color **41.7294, 30.1136, 3.6131** is a dark color, and the websafe version is hex **FF6600**. The color can be described as dark saturated orange. A complement of this color would be **23.4471, 21.7291, 85.3959**, and the grayscale version is **24.1897, 25.4494, 27.7144**.

A 20% lighter version of the original color is **55.9504, 48.9621, 12.1319**, and **19.5204, 12.4618, 1.3765** is the 20% darker color. If you saturate the color by 10%, you get **41.7296, 30.1145, 3.6133**, and if you desaturate by 10%, it is **43.4092, 33.2097, 4.9867**.

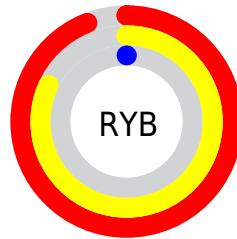
Distribution



Red (94%)

Green (44%)

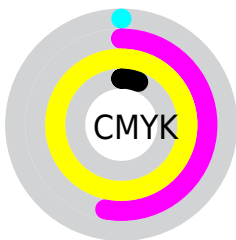
Blue (0%)



Red (94%)

Yellow (82%)

Blue (0%)

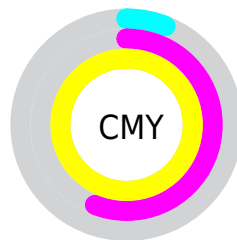


Cyan (0%)

Magenta (53%)

Yellow (100%)

Black (6%)



Cyan (6%)


Magenta (56%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.7294, 30.1136, 3.6131 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 41.7294, 30.1136, 3.6131 by changing the saturation by 10% instead.


 41.7294, 30.1136,
3.6131


 41.7294, 30.1136,
3.6131


344.3707,
302.4336, 143.8227


 29.0796, 19.9248,
1.4156


 77.0577, 59.8418,
13.1071

 19.2857, 12.3404,
0.1538


 100.4669, 80.1500,
21.2408

 11.9821, 6.9760,
0.0000


 128.1933,
104.6001, 32.1901

 6.8036, 3.4471,
0.0000

 160.6022,
133.5766, 46.3739

 3.3848, 1.3693,
0.0000

 198.0591,
167.4638, 64.2104


 1.3604, 0.1940,
0.0000

 240.9292,


 0.2277, 0.0000,


206.6461, 86.1184


0.0000


 289.5780,
251.5079, 112.5163


 0.0000, 0.0000,
0.0000


 41.7294, 30.1136,
3.6131


 41.7294, 30.1136,
3.6131


 41.7296, 30.1145,
3.6133

 43.4092, 33.2097,
4.9867

 45.5008, 36.8030,
7.5025

 48.0762, 40.9358,
11.4995

 51.1804, 45.6374,
17.1793

 54.8519, 50.9342,
24.7116

■ 59.1251, 56.8503,
34.2450

■ 64.0312, 63.4082,
45.9130

■ 69.5990, 70.6290,
59.8372

■ 75.8552, 78.5328,
76.1302

Harmonies

Analogous

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



51.9847, 30.1136, 12.0637



41.7294, 30.1136, 3.6131



29.6524, 30.1136, 1.8245

Triad

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



41.7294, 30.1136, 3.6131



12.2063, 30.1136, 29.9581



39.5027, 30.1136, 122.1531

Complementary

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



41.7294, 30.1136, 3.6131



23.4471, 21.7291, 85.3959

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.



27.6159, 30.1136, 138.9441



41.7294, 30.1136, 3.6131



13.5780, 30.1136, 69.3185

Square

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



41.7294, 30.1136, 3.6131



14.2068, 30.1136, 9.6517



18.5944, 30.1136, 115.2784



50.4836, 30.1136, 77.9755

Rectangle

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



41.7294, 30.1136, 3.6131



22.7682, 30.1136, 2.2420



18.5944, 30.1136, 115.2784



35.4021, 30.1136, 132.0688

Sweetspot

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



41.7301, 30.1153, 3.6136



73.4238, 72.6897, 52.5438



39.8315, 20.0839, 22.2002



15.1872, 14.8583, 9.9706



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.



41.7301, 30.1153, 3.6136



47.8374, 34.4549, 4.1291



64.7915, 76.2382, 11.3008



16.3809, 16.9750, 16.5628



22.9741, 16.7462, 2.0215



2.0099, 1.5905, 0.2011

Inverse Universe

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



23.4471, 21.7291, 85.3959



26.8534, 24.8269, 97.9845



15.8151, 6.4651, 82.8519



15.5953, 16.6247, 20.1085



12.9697, 12.1636, 46.7921



1.1785, 1.2109, 3.9258

Previews

White Background



This preview shows how the XYZ color 41.7294, 30.1136, 3.6131 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 41.7294, 30.1136, 3.6131 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 41.7294, 30.1136, 3.6131

Background



This preview shows how black text looks on a background with the XYZ color 41.7294, 30.1136, 3.6131.



This preview shows how white text looks on a background with the XYZ color 41.7294, 30.1136,

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

41.7294, 30.1136, 3.6131

Protanopia

27.4134, 30.3056, 5.1638

Deuteranopia

30.6593, 30.1648, 4.2065



Tritanopia

44.7817, 30.1030, 18.4891

Trichromacy



Original Color

41.7294, 30.1136, 3.6131

Protanomaly

31.3891, 29.2421, 4.4054

Deuteranomaly

34.1287, 29.6425, 3.9228

Tritanomaly

43.0130, 29.8476, 9.4554

Monochromacy



Original Color

41.7294, 30.1136, 3.6131

Achromatopsia

24.1572, 25.4152, 27.6772

Achromatomaly

27.2909, 25.5191, 12.7198

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.7294, 30.1136, 3.6131 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, 112, 0)` looks like.

```
.text, #text, p{  
    color:rgb(240, 112, 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(240, 112, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 112, 0) }
```

Border

The CSS property to change the border of an element to XYZ 41.7294, 30.1136, 3.6131 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, 112, 0) }
```


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

```
.border{ border-color:rgb(240, 112, 0) }
```

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

Here you see how a box with a 4 pixel rgb(240, 112, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 112, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 112, 0);  
box-shadow:4px 4px 4px 4px rgb(240, 112,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 41.7294, 30.1136, 3.6131 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 112, 0) }
```

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

```
.background{ background-color: rgb(240,  
112, 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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