

Converting Colors

XYZ(42.2929, 30.7354, 3.7034)

Have a look what the booklet for
XYZ(42.2929, 30.7354, 3.7034)
contains.

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Color

**XYZ(42.2929, 30.7354,
3.7034)**

Conversions

Conversions Part 1

Format	Color
Hex	F17200
RGB	241, 114, 0
RGB Percent	95%, 45%, 0%
CMY	0.0549, 0.5529, 1.0000
CMYK	0.00, 0.53, 1.00, 0.05
HSL	28°, 100%, 47%
HSV	28°, 100%, 95%
XYZ	42.2929, 30.7354, 3.7034
YIQ	138.9770, 112.2860, -8.5300

Conversions

Conversions Part 2

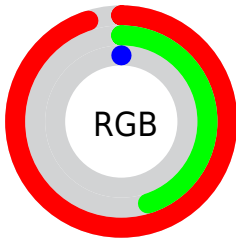
Format	Color
R_{YB}	241, 216, 0
Decimal	15823360
CIE _{Lab}	62.28, 44.29, 70.17
CIE _{LCh}	62, 82.981, 57.740
Yxy	30.7354, 0.5512, 0.4006
Android (android.graphics.Color)	4294013440 (0xFFFF17200)
YUV	138.9770, -68.5157, 89.4742
Hunter-Lab	55.4395, 39.1524, 34.8470

Details

The XYZ color **42.2929, 30.7354, 3.7034** 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 **23.4661, 21.5288, 86.1370**, and the grayscale version is **24.7584, 26.0478, 28.3660**.

A 20% lighter version of the original color is **56.3168, 49.6949, 12.2541**, and **19.8541, 12.7924, 1.4227** is the 20% darker color. If you saturate the color by 10%, you get **42.2932, 30.7364, 3.7036**, and if you desaturate by 10%, it is **43.9929, 33.8703, 5.0889**.

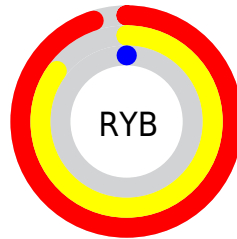
Distribution



Red (95%)

Green (45%)

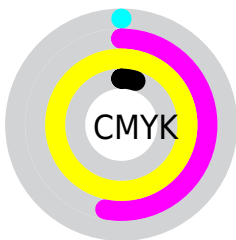
Blue (0%)



Red (95%)

Yellow (85%)

Blue (0%)

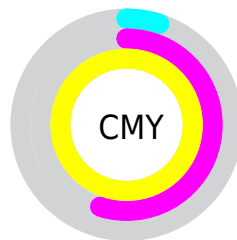


Cyan (0%)

Magenta (53%)

Yellow (100%)

Black (5%)



Cyan (5%)


Magenta (55%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.2929, 30.7354, 3.7034 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 42.2929, 30.7354, 3.7034 by changing the saturation by 10% instead.


 42.2929, 30.7354,
3.7034


 42.2929, 30.7354,
3.7034

346.6667,
305.3175, 144.8693


 29.5228, 20.3974,
1.4641


 77.9051, 60.8232,
13.3197

 19.6229, 12.6843,
0.1910


 101.4780, 81.3419,
21.5338

 12.2279, 7.2115,
0.0000


 129.3824,
106.0230, 32.5766

 6.9724, 3.5947,
0.0000

 161.9839,
135.2508, 46.8665

 3.4910, 1.4495,
0.0000

 199.6477,
169.4097, 64.8222


 1.4184, 0.2528,
0.0000

 242.7392,


 0.2693, 0.0000,


208.8842, 86.8623


0.0000


 291.6237,
254.0587, 113.4051


 0.0000, 0.0000,
0.0000


 42.2929, 30.7354,
3.7034

 42.2929, 30.7354,
3.7034


 42.2932, 30.7364,
3.7036

 43.9929, 33.8703,
5.0889

 46.1047, 37.4991,
7.6267

 48.7005, 41.6635,
11.6584

 51.8255, 46.3929,
17.3878

 55.5184, 51.7132,
24.9861

■ 59.8136, 57.6484,
34.6036

■ 64.7424, 64.2207,
46.3748

■ 70.3336, 71.4509,
60.4227

■ 76.6141, 79.3590,
76.8609

Harmonies

Analogous

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



52.7414, 30.7354, 12.1728



42.2929, 30.7354, 3.7034



30.0712, 30.7354, 1.9199

Triad

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



42.2929, 30.7354, 3.7034



12.5360, 30.7354, 31.0902



40.4370, 30.7354, 123.2138

Complementary

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



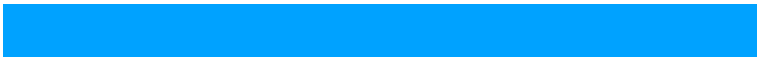
42.2929, 30.7354, 3.7034



23.4661, 21.5288, 86.1370

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.



28.3714, 30.7354, 140.7894



42.2929, 30.7354, 3.7034



13.9885, 30.7354, 71.2017

Square

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



42.2929, 30.7354, 3.7034



14.5151, 30.7354, 10.1485



19.1533, 30.7354, 117.5011



51.4913, 30.7354, 78.4055

Rectangle

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



42.2929, 30.7354, 3.7034



23.1259, 30.7354, 2.3821



19.1533, 30.7354, 117.5011



36.2844, 30.7354, 133.3988

Sweetspot

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



42.2936, 30.7371, 3.7039



73.5474, 72.9369, 52.5850



40.2070, 20.2734, 22.4014



15.2163, 14.9165, 9.9803



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.



42.2936, 30.7371, 3.7039



48.0323, 34.8446, 4.1941



65.4046, 76.9591, 11.4076



16.3895, 16.9921, 16.5657



23.0677, 16.9335, 2.0527



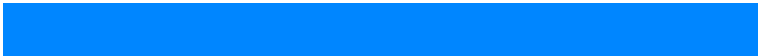
2.0179, 1.6065, 0.2037

Inverse Universe

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



23.4661, 21.5288, 86.1370



26.6266, 24.3731, 97.9089



15.9644, 6.5254, 83.6364



15.5867, 16.6075, 20.1057



12.8613, 11.9468, 46.7560



1.1695, 1.1930, 3.9229

Previews

White Background



This preview shows how the XYZ color 42.2929, 30.7354, 3.7034 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 42.2929, 30.7354, 3.7034 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 42.2929, 30.7354, 3.7034

Background



This preview shows how black text looks on a background with the XYZ color 42.2929, 30.7354, 3.7034.



This preview shows how white text looks on a background with the XYZ color 42.2929, 30.7354,

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

42.2929, 30.7354, 3.7034

Protanopia

27.7890, 30.7372, 5.2273

Deuteranopia

31.3083, 30.7213, 4.2797



Tritanopia

45.4429, 30.7334, 19.1598

Trichromacy



Original Color

42.2929, 30.7354, 3.7034

Protanomaly

31.9327, 29.9444, 4.5123

Deuteranomaly

34.5458, 30.0578, 3.9810

Tritanomaly

43.6005, 30.4598, 9.7122

Monochromacy



Original Color

42.2929, 30.7354, 3.7034

Achromatopsia

24.5403, 25.8183, 28.1161

Achromatomaly

27.6486, 25.9000, 12.7745

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.2929, 30.7354, 3.7034 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(241, 114, 0)` looks like.

```
.text, #text, p{  
    color:rgb(241, 114, 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(241, 114, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(241, 114, 0) }
```

Border

The CSS property to change the border of an element to XYZ 42.2929, 30.7354, 3.7034 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(241, 114, 0) }
```


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

```
.border{ border-color:rgb(241, 114, 0) }
```

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

Here you see how a box with a 4 pixel rgb(241, 114, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(241, 114, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(241, 114, 0);  
box-shadow:4px 4px 4px 4px rgb(241, 114,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 42.2929, 30.7354, 3.7034 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(241, 114, 0) }
```

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

```
.background{ background-color: rgb(241,  
114, 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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