

Converting Colors

XYZ(43.6347, 31.4731, 3.7770)

Have a look what the booklet for
XYZ(43.6347, 31.4731, 3.7770)
contains.

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Color

**XYZ(43.6735, 31.4471,
3.7681)**

Conversions

Conversions Part 1

Format	Color
Hex	F57200
RGB	245, 114, 0
RGB Percent	96%, 45%, 0%
CMY	0.0392, 0.5529, 1.0000
CMYK	0.00, 0.53, 1.00, 0.04
HSL	28°, 100%, 48%
HSV	28°, 100%, 96%
XYZ	43.6735, 31.4471, 3.7681
YIQ	140.1730, 114.6700, -7.6820

Conversions

Conversions Part 2

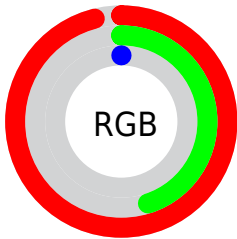
Format	Color
R_{YB}	245, 213, 0
Decimal	16085504
CIE _{Lab}	62.88, 45.82, 70.83
CIE _{LCh}	63, 84.357, 57.103
Yxy	31.4471, 0.5536, 0.3986
Android (android.graphics.Color)	4294275584 (0xFFFF57200)
YUV	140.1730, -69.1053, 91.9333
Hunter-Lab	56.0777, 40.8804, 35.2705

Details

The XYZ color **43.6735, 31.4471, 3.7681** 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 **24.5977, 22.8252, 89.4947**, and the grayscale version is **25.2254, 26.5391, 28.9010**.

A 20% lighter version of the original color is **56.3481, 49.7075, 12.4190**, and **20.7248, 13.1612, 1.4481** is the 20% darker color. If you saturate the color by 10%, you get **43.6736, 31.4477, 3.7682**, and if you desaturate by 10%, it is **45.4294, 34.6871, 5.1931**.

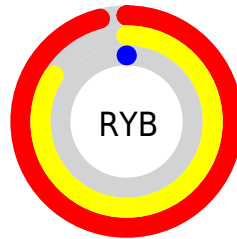
Distribution



Red (96%)

Green (45%)

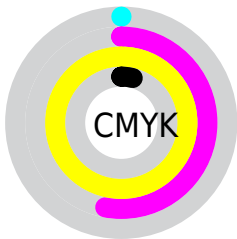
Blue (0%)



Red (96%)

Yellow (84%)

Blue (0%)

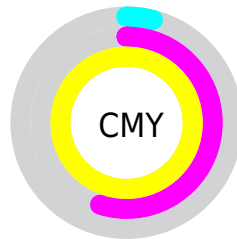


Cyan (0%)

Magenta (53%)

Yellow (100%)

Black (4%)



Cyan (4%)


Magenta (55%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 43.6735, 31.4471, 3.7681 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 43.6735, 31.4471, 3.7681 by changing the saturation by 10% instead.


 43.6735, 31.4471,
3.7681

 43.6735, 31.4471,
3.7681


352.2490,
308.5928, 145.6118

 30.6107, 20.9395,
1.4990


 79.9756, 61.9433,
13.4713

 20.4530, 13.0798,
0.2172


 103.9456, 82.7007,
21.7425


 12.8349, 7.4835,
0.0000


 132.2821,
107.6436, 32.8514

 7.3912, 3.7663,
0.0000

 165.3505,
137.1562, 47.2167

 3.7564, 1.5437,
0.0000

 203.5159,
171.6231, 65.2569


 1.5653, 0.3192,
0.0000


 247.1440,


 0.3696, 0.0000,


211.4286, 87.3904


0.0000


 296.5999,
256.9570, 114.0359


 0.0000, 0.0000,
0.0000


 43.6735, 31.4471,
3.7681


 43.6735, 31.4471,
3.7681


 43.6736, 31.4477,
3.7682

 45.4294, 34.6871,
5.1931

 47.6189, 38.4510,
7.8188

 50.3170, 42.7833,
11.9982

 53.5712, 47.7149,
17.9439

 57.4221, 53.2736,
25.8345

■ 61.9060, 59.4851,
35.8264

■ 67.0556, 66.3729,
48.0599

■ 72.9013, 73.9596,
62.6631

■ 79.4714, 82.2661,
79.7542

Harmonies

Analogous

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



54.3888, 31.4471, 12.6433



43.6735, 31.4471, 3.7681



31.0279, 31.4471, 1.8870

Triad

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



43.6735, 31.4471, 3.7681



12.7219, 31.4471, 31.1206



41.2137, 31.4471, 128.0348

Complementary

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



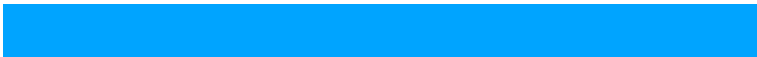
43.6735, 31.4471, 3.7681



24.5977, 22.8252, 89.4947

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.



28.7793, 31.4471, 145.4269



43.6735, 31.4471, 3.7681



14.1376, 31.4471, 72.2428

Square

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



43.6735, 31.4471, 3.7681



14.8312, 31.4471, 9.9847



19.3618, 31.4471, 120.4334



52.7303, 31.4471, 81.8106

Rectangle

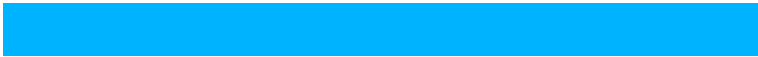
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



43.6735, 31.4471, 3.7681



23.8127, 31.4471, 2.3116



19.3618, 31.4471, 120.4334



36.9211, 31.4471, 138.3683

Sweetspot

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



43.6742, 31.4489, 3.7686



73.3973, 72.6368, 52.5350



42.0118, 21.1549, 24.6999



15.1810, 14.8458, 9.9685



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.



43.6742, 31.4489, 3.7686



47.7961, 34.3722, 4.1154



66.7240, 77.5485, 11.4519



17.1347, 17.7536, 17.3213



23.6636, 17.2129, 2.0752



2.1816, 1.7164, 0.2163

Inverse Universe

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



24.5977, 22.8252, 89.4947



26.9025, 24.9251, 98.0008



16.6160, 6.8618, 86.8342



16.3149, 17.3942, 21.0401



13.3911, 12.5761, 48.2597



1.2798, 1.3110, 4.2758

Previews

White Background



This preview shows how the XYZ color 43.6735, 31.4471, 3.7681 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 43.6735, 31.4471, 3.7681 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 43.6735, 31.4471, 3.7681

Background



This preview shows how black text looks on a background with the XYZ color 43.6735, 31.4471, 3.7681.



This preview shows how white text looks on a background with the XYZ color 43.6735, 31.4471,

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

43.6735, 31.4471, 3.7681

Protanopia

28.5493, 31.6110, 5.3559

Deuteranopia

32.1177, 31.5883, 4.4044



Tritanopia

46.8461, 31.4568, 19.2255

Trichromacy



Original Color

43.6735, 31.4471, 3.7681

Protanomaly

32.8651, 30.6391, 4.5972

Deuteranomaly

35.6765, 31.0472, 4.1124

Tritanomaly

44.9961, 31.1793, 9.7775

Monochromacy



Original Color

43.6735, 31.4471, 3.7681

Achromatopsia

24.9269, 26.2251, 28.5591

Achromatomaly

28.2796, 26.4188, 13.0600

CSS Examples

Text

The CSS property to change the color of the text to XYZ 43.6735, 31.4471, 3.7681 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(245, 114, 0)` looks like.

```
.text, #text, p{  
    color:rgb(245, 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(245, 114, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 114, 0) }
```

Border

The CSS property to change the border of an element to XYZ 43.6735, 31.4471, 3.7681 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(245, 114, 0) }
```


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

```
.border{ border-color:rgb(245, 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(245, 114, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 114, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 114, 0);  
box-shadow:4px 4px 4px 4px rgb(245, 114,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 43.6735, 31.4471, 3.7681 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 114, 0) }
```

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

```
.background{ background-color: rgb(245,  
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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