

Converting Colors

XYZ(43.1571, 30.5177, 3.6159)

Have a look what the booklet for
XYZ(43.1571, 30.5177, 3.6159)
contains.

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Color

**XYZ(43.2321, 30.5643,
3.6209)**

Conversions

Conversions Part 1

Format	Color
Hex	F56E00
RGB	245, 110, 0
RGB Percent	96%, 43%, 0%
CMY	0.0392, 0.5686, 1.0000
CMYK	0.00, 0.55, 1.00, 0.04
HSL	27°, 100%, 48%
HSV	27°, 100%, 96%
XYZ	43.2321, 30.5643, 3.6209
YIQ	137.8250, 115.7700, -5.5900

Conversions

Conversions Part 2

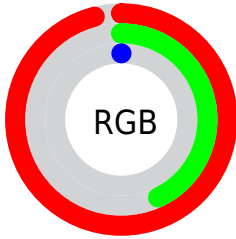
Format	Color
R_{YB}	245, 200, 0
Decimal	16084480
CIE Lab	62.14, 47.72, 70.41
CIE LCh	62, 85.056, 55.869
Yxy	30.5643, 0.5584, 0.3948
Android (android.graphics.Color)	4294274560 (0xFFFF56E00)
YUV	137.8250, -67.9477, 93.9925
Hunter-Lab	55.2850, 42.8358, 34.8163

Details

The XYZ color **43.2321, 30.5643, 3.6209** 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 **25.1450, 23.9198, 89.6772**, and the grayscale version is **24.3121, 25.5782, 27.8547**.

A 20% lighter version of the original color is **55.5896, 48.2406, 12.0117**, and **20.5192, 12.7500, 1.3795** is the 20% darker color. If you saturate the color by 10%, you get **43.2323, 30.5652, 3.6211**, and if you desaturate by 10%, it is **44.9722, 33.7727, 5.0405**.

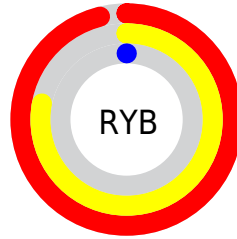
Distribution



Red (96%)

Green (43%)

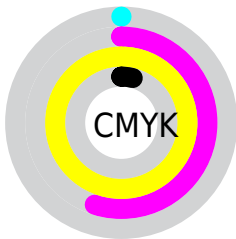
Blue (0%)



Red (96%)

Yellow (78%)

Blue (0%)

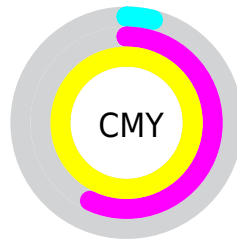


Cyan (0%)

Magenta (55%)

Yellow (100%)

Black (4%)



Cyan (4%)


Magenta (57%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 43.2321, 30.5643, 3.6209 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 43.2321, 30.5643, 3.6209 by changing the saturation by 10% instead.


 43.2321, 30.5643,
3.6209


 43.2321, 30.5643,
3.6209


350.4708,
304.5260, 143.9136


 30.2626, 20.2673,
1.4198


 79.3145, 60.5534,
13.1256


 20.1870, 12.5895,
0.1571


 103.1581, 81.0144,
21.2662

 12.6401, 7.1465,
0.0000


 131.3571,
105.6321, 32.2237

 7.2565, 3.5539,
0.0000

 164.2769,
134.7910, 46.4166

 3.6708, 1.4273,
0.0000

 202.2828,
168.8754, 64.2635


 1.5176, 0.2367,
0.0000

 245.7402,


 0.3378, 0.0000,


208.2698, 86.1830


0.0000


 295.0144,
253.3585, 112.5935


 0.0000, 0.0000,
0.0000


 43.2321, 30.5643,
3.6209


 43.2321, 30.5643,
3.6209


 43.2323, 30.5652,
3.6211

 44.9722, 33.7727,
5.0405

 47.1571, 37.5275,
7.6645

 49.8627, 41.8749,
11.8463

 53.1374, 46.8474,
17.7986

 57.0224, 52.4744,
25.7004

■ 61.5547, 58.7829,
35.7082

■ 66.7679, 65.7979,
47.9627

■ 72.6928, 73.5430,
62.5920

■ 79.3583, 82.0405,
79.7147

Harmonies

Analogous

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



53.6952, 30.5643, 12.6577



43.2321, 30.5643, 3.6209



30.6651, 30.5643, 1.6897

Triad

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



43.2321, 30.5643, 3.6209



12.1636, 30.5643, 28.9417



39.7502, 30.5643, 128.3169

Complementary

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



43.2321, 30.5643, 3.6209



25.1450, 23.9198, 89.6772

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.



27.4935, 30.5643, 144.0471



43.2321, 30.5643, 3.6209



13.4059, 30.5643, 69.0525

Square

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



43.2321, 30.5643, 3.6209



14.3752, 30.5643, 8.9615



18.3685, 30.5643, 117.4718



51.3423, 30.5643, 82.6543

Rectangle

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



43.2321, 30.5643, 3.6209



23.4384, 30.5643, 2.0156



18.3685, 30.5643, 117.4718



35.4936, 30.5643, 138.1836

Sweetspot

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



43.2328, 30.5660, 3.6214



73.0824, 72.0068, 52.4300



42.3042, 21.2717, 26.2394



15.1068, 14.6975, 9.9438



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.



43.2328, 30.5660, 3.6214



47.3133, 33.4066, 3.9544



65.5830, 75.2665, 11.0715



17.1118, 17.7077, 17.3136



23.4241, 16.7338, 1.9954



2.1598, 1.6728, 0.2091

Inverse Universe

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



25.1450, 23.9198, 89.6772



27.5020, 26.1240, 98.2007



16.6717, 6.9733, 86.8528



16.3382, 17.4406, 21.0478



13.6863, 13.1664, 48.3581



1.3054, 1.3623, 4.2844

Previews

White Background



This preview shows how the XYZ color 43.2321, 30.5643, 3.6209 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 43.2321, 30.5643, 3.6209 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 43.2321, 30.5643, 3.6209

Background



This preview shows how black text looks on a background with the XYZ color 43.2321, 30.5643, 3.6209.



This preview shows how white text looks on a background with the XYZ color 43.2321, 30.5643,

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

43.2321, 30.5643, 3.6209

Protanopia

27.7988, 30.7411, 5.2791

Deuteranopia

31.0577, 30.5921, 4.2679



Tritanopia

46.2231, 30.5633, 17.9311

Trichromacy



Original Color

43.2321, 30.5643, 3.6209

Protanomaly

31.9163, 29.5131, 4.4664

Deuteranomaly

34.6946, 29.9342, 3.9493

Tritanomaly

44.4835, 30.3070, 9.1355

Monochromacy



Original Color

43.2321, 30.5643, 3.6209

Achromatopsia

24.1572, 25.4152, 27.6772

Achromatomaly

27.6121, 25.4900, 12.6973

CSS Examples

Text

The CSS property to change the color of the text to XYZ 43.2321, 30.5643, 3.6209 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, 110, 0)` looks like.

```
.text, #text, p{  
    color:rgb(245, 110, 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, 110, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 110, 0) }
```

Border

The CSS property to change the border of an element to XYZ 43.2321, 30.5643, 3.6209 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, 110, 0) }
```


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

```
.border{ border-color:rgb(245, 110, 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, 110, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 110, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 110, 0);  
box-shadow:4px 4px 4px 4px rgb(245, 110,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 43.2321, 30.5643, 3.6209 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 110, 0) }
```

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

```
.background{ background-color: rgb(245,  
110, 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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