

Converting Colors

XYZ(46.6042, 30.4700, 8.4001)

Have a look what the booklet for
XYZ(46.6042, 30.4700, 8.4001)
contains.

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Color

**XYZ(46.6560, 30.5653,
8.4417)**

Conversions

Conversions Part 1

Format	Color
Hex	FF6341
RGB	255, 99, 65
RGB Percent	100%, 39%, 25%
CMY	0.0000, 0.6117, 0.7451
CMYK	0.00, 0.61, 0.75, 0.00
HSL	11°, 100%, 63%
HSV	11°, 75%, 100%
XYZ	46.6560, 30.5653, 8.4417
YIQ	141.7680, 103.8900, 22.4980

Conversions

Conversions Part 2

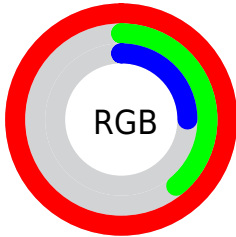
Format	Color
R_{YB}	255, 106, 65
Decimal	16737089
CIE _{Lab}	62.14, 57.61, 49.44
CIE _{LCh}	62, 75.920, 40.634
Yxy	30.5653, 0.5446, 0.3568
Android (android.graphics.Color)	4294927169 (0xFFFF6341)
YUV	141.7680, -37.8466, 99.3045
Hunter-Lab	55.2859, 53.8866, 29.6470

Details

The XYZ color **46.6560, 30.5653, 8.4417** is a dark color, and the websafe version is hex **FF6633**. The color can be described as middle washed orange. A complement of this color would be **46.0841, 60.0521, 103.7695**, and the grayscale version is **25.7368, 27.0771, 29.4870**.

A 20% lighter version of the original color is **56.0559, 45.9405, 22.1326**, and **22.3458, 12.6344, 1.7912** is the 20% darker color. If you saturate the color by 10%, you get **44.3440, 26.8690, 4.8124**, and if you desaturate by 10%, it is **49.8165, 35.4264, 13.9975**.

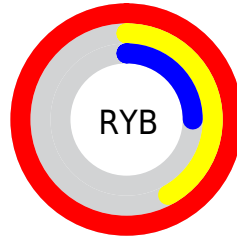
Distribution



Red (100%)

Green (39%)

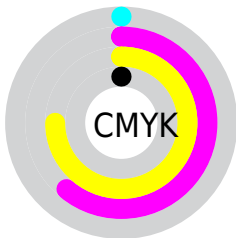
Blue (25%)



Red (100%)

Yellow (42%)

Blue (25%)

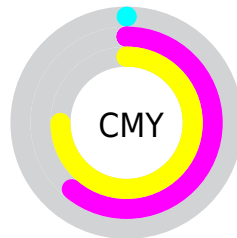


Cyan (0%)

Magenta (61%)

Yellow (75%)

Black (0%)



Cyan (0%)


Magenta (61%)


Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.6560, 30.5653, 8.4417 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 46.6560, 30.5653, 8.4417 by changing the saturation by 10% instead.


 46.6560, 30.5653,
8.4417


 46.6560, 30.5653,
8.4417


364.1116,
304.5306, 189.2187

 32.9706, 20.2681,
4.2871


 84.4218, 60.5550,
23.3802

 22.2630, 12.5901,
1.7841


 109.2329, 81.0163,
35.0012


 14.1680, 7.1469,
0.4174


 138.4832,
105.6344, 49.9480

 8.3201, 3.5541,
0.0000

 172.5382,
134.7937, 68.6392

 4.3540, 1.4274,
0.0000

 211.7632,
168.8785, 91.4933

 1.9043, 0.2368,
0.0000

256.5235,

 0.5793, 0.0000,

208.2734, 118.9289

0.0000

307.1846,
253.3626, 151.3645

■ 0.0000, 0.0000,
0.0000

■ 46.6560, 30.5653,
8.4417

■ 46.6560, 30.5653,
8.4417

■ 44.3440, 26.8690,
4.8124

■ 49.8165, 35.4264,
13.9975

■ 42.7890, 24.2315,
2.8374


■ 53.8995, 41.5355,
21.6997


■ 42.2029, 23.1861,
2.2510

■ 58.9729, 48.9740,
31.7400

■ 65.0973, 57.8148,
44.2881

■ 72.3286, 68.1254,
59.4982

 80.7183, 79.9689,
77.5116

 90.3150, 93.4049,
98.4601

95.0498, 99.9999,
108.9000

Harmonies

Analogous

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



52.9532, 30.5653, 23.9401



46.6560, 30.5653, 8.4417



36.0650, 30.5653, 3.4191

Triad

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



46.6560, 30.5653, 8.4417



14.1793, 30.5653, 17.8925



32.8296, 30.5653, 124.8589

Complementary

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



46.6560, 30.5653, 8.4417



46.0841, 60.0521, 103.7695

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.



23.0117, 30.5653, 119.5817



46.6560, 30.5653, 8.4417



13.7048, 30.5653, 44.7800

Square

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



46.6560, 30.5653, 8.4417



18.0438, 30.5653, 6.2396



16.5475, 30.5653, 85.0120



43.8151, 30.5653, 96.8412

Rectangle

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



46.6560, 30.5653, 8.4417



28.8346, 30.5653, 2.7679



16.5475, 30.5653, 85.0120



29.2693, 30.5653, 127.1981

Sweetspot

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



46.6567, 30.5670, 8.4422



74.3233, 70.9511, 63.7496



56.4944, 30.3863, 72.9352



15.4476, 14.5338, 12.6633



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.



46.6567, 30.5670, 8.4422



43.5582, 25.5601, 3.7396



60.9705, 59.1946, 13.2135



18.2722, 18.5126, 18.7546



22.1275, 12.2662, 1.2014



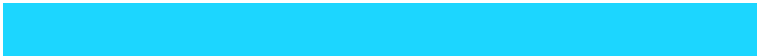
2.2226, 1.3305, 0.1397

Inverse Universe

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



46.0841, 60.0521, 103.7695



42.6725, 55.7521, 103.1199



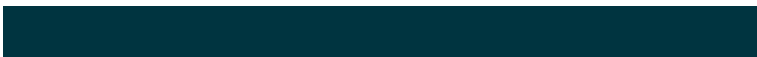
27.9928, 23.8695, 97.7391



18.2621, 19.8957, 23.1277



21.4915, 27.8925, 53.6857



2.1615, 2.8537, 5.2502

Previews

White Background



This preview shows how the XYZ color 46.6560, 30.5653, 8.4417 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 46.6560, 30.5653, 8.4417 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 46.6560, 30.5653, 8.4417

Background



This preview shows how black text looks on a background with the XYZ color 46.6560, 30.5653, 8.4417.



This preview shows how white text looks on a background with the XYZ color 46.6560, 30.5653,

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

46.6560, 30.5653, 8.4417

Protanopia

28.2777, 30.8343, 12.2458

Deuteranopia

31.2511, 30.6121, 7.8760



Tritanopia

47.7718, 30.5653, 15.6938

Trichromacy



Original Color

46.6560, 30.5653, 8.4417

Protanomaly

32.8100, 29.0163, 10.5280

Deuteranomaly

35.5302, 29.4916, 7.9575

Tritanomaly

47.2761, 30.5140, 12.6306

Monochromacy



Original Color

46.6560, 30.5653, 8.4417

Achromatopsia

25.7108, 27.0498, 29.4572

Achromatomaly

30.0266, 26.2039, 19.3949

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.6560, 30.5653, 8.4417 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(255, 99, 65)` looks like.

```
.text, #text, p{  
  color:rgb(255, 99, 65)  
}
```

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(255, 99, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 99, 65) }
```

Border

The CSS property to change the border of an element to XYZ 46.6560, 30.5653, 8.4417 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(255, 99, 65) }
```


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

```
.border{ border-color:rgb(255, 99, 65) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 99, 65)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 99, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 99, 65);  
box-shadow:4px 4px 4px 4px rgb(255, 99,  
65) }
```

Background

The CSS property to change the background color of an element to XYZ 46.6560, 30.5653, 8.4417 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 99, 65) }
```

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

```
.background{ background-color: rgb(255, 99,  
65) }
```

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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