

# Converting Colors

XYZ(46.4135, 30.7783, 6.1857)

Have a look what the booklet for  
XYZ(46.4135, 30.7783, 6.1857)  
contains.

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# Color

**XYZ(46.4068, 30.7726,  
6.1831)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF652F
RGB	255, 101, 47
RGB Percent	100%, 40%, 18%
CMY	0.0000, 0.6039, 0.8157
CMYK	0.00, 0.60, 0.82, 0.00
HSL	16°, 100%, 59%
HSV	16°, 82%, 100%
XYZ	46.4068, 30.7726, 6.1831
YIQ	140.8900, 109.1180, 15.8540

# Conversions

## Conversions Part 2

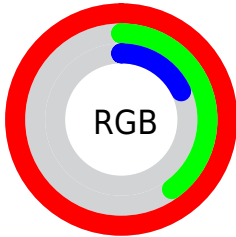
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 120, 47
Decimal	16737583
CIE Lab	62.32, 56.15, 58.15
CIE LCh	62, 80.838, 46.003
Yxy	30.7726, 0.5567, 0.3691
Android (android.graphics.Color)	4294927663 (0xFFFF652F)
YUV	140.8900, -46.2878, 100.0745
Hunter-Lab	55.4731, 52.2489, 32.2226

# Details

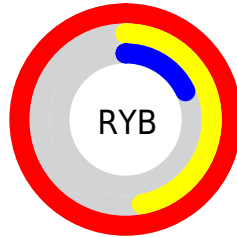
The XYZ color **46.4068, 30.7726, 6.1831** is a dark color, and the websafe version is hex **FF6633**. The color can be described as dark washed orange. A complement of this color would be **40.1068, 49.5935, 102.0658**, and the grayscale version is **25.4214, 26.7453, 29.1256**.

A 20% lighter version of the original color is **55.5016, 46.2558, 17.5583**, and **22.0991, 12.6749, 1.2818** is the 20% darker color. If you saturate the color by 10%, you get **44.4070, 27.3703, 3.6766**, and if you desaturate by 10%, it is **49.1289, 35.1404, 10.4104**.

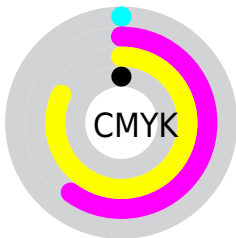
# Distribution



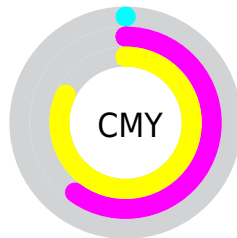
- Red (100%)
- Green (40%)
- Blue (18%)



- Red (100%)
- Yellow (47%)
- Blue (18%)



- Cyan (0%)
- Magenta (60%)
- Yellow (82%)
- Black (0%)




- Cyan (0%)
- Magenta (60%)
- Yellow (82%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 46.4068, 30.7726, 6.1831 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 46.4068, 30.7726, 6.1831 by changing the saturation by 10% instead.





 46.4068, 30.7726,  
6.1831


 46.4068, 30.7726,  
6.1831


363.1303,  
305.4893, 170.0568

 32.7729, 20.4258,  
2.8861


 84.0516, 60.8819,  
18.7940


 22.1110, 12.7049,  
1.0368


 108.7933, 81.4131,  
28.9449


 14.0555, 7.2257,  
0.0000

 137.9683,  
106.1079, 42.2177

 8.2412, 3.6036,  
0.0000

 171.9419,  
135.3506, 59.0307

 4.3028, 1.4544,  
0.0000

 211.0796,  
169.5258, 79.8026

 1.8748, 0.2563,  
0.0000

 255.7466,

 0.5621, 0.0000,

209.0177, 104.9519

0.0000

306.3084,  
254.2107, 134.8971

■ 0.0000, 0.0000,  
0.0000

■ 46.4068, 30.7726,  
6.1831

■ 46.4068, 30.7726,  
6.1831

■ 44.4070, 27.3703,  
3.6766

■ 49.1289, 35.1404,  
10.4104

■ 43.2004, 25.1812,  
2.5835

■ 52.6433, 40.5396,  
16.6060

■ 57.0129, 47.0356,  
24.9777

■ 62.2930, 54.6866,  
35.7067

■ 68.5342, 63.5466,  
48.9547

75.7832, 73.6660,  
64.8691

84.0832, 85.0922,  
83.5859

93.4752, 97.8704,  
105.2318

95.0497, 99.9999,  
108.9000

# Harmonies

## Analogous

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



54.4530, 30.7726, 19.5035



46.4068, 30.7726, 6.1831



34.6309, 30.7726, 2.4664

# Triad

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



46.4068, 30.7726, 6.1831



13.2304, 30.7726, 20.9565



35.4321, 30.7726, 131.0278

# Complementary

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



46.4068, 30.7726, 6.1831



40.1068, 49.5935, 102.0658

# 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.



24.4547, 30.7726, 132.3856



46.4068, 30.7726, 6.1831



13.3429, 30.7726, 52.9851

# Square

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



46.4068, 30.7726, 6.1831



16.5870, 30.7726, 6.6785



16.9459, 30.7726, 98.1176



47.1178, 30.7726, 95.1006



# Rectangle

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



46.4068, 30.7726, 6.1831



27.1056, 30.7726, 2.2193



16.9459, 30.7726, 98.1176



31.5013, 30.7726, 136.0602

# Sweetspot

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



46.4075, 30.7744, 6.1836



73.9255, 71.0868, 60.7461



53.0358, 27.6048, 59.0328



15.2642, 14.4362, 11.7724



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.



46.4075, 30.7744, 6.1836



43.4574, 25.6500, 2.8069



63.1088, 64.1769, 11.7507



18.3928, 18.7537, 18.7948



22.6749, 13.3610, 1.3838



2.2917, 1.4688, 0.1627



# Inverse Universe

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



40.1068, 49.5935, 102.0658



36.5515, 44.1282, 101.1989



23.6842, 16.7482, 96.5916



18.1322, 19.6361, 23.0844



19.0437, 22.9970, 52.8697



1.9427, 2.4161, 5.1772



# Previews

## White Background



This preview shows how the XYZ color 46.4068, 30.7726, 6.1831 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 46.4068, 30.7726, 6.1831 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 46.4068, 30.7726, 6.1831**

## **Background**



This preview shows how black text looks on a background with the XYZ color 46.4068, 30.7726, 6.1831.



This preview shows how white text looks on a background with the XYZ color 46.4068, 30.7726,



# 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

46.4068, 30.7726, 6.1831

### Protanopia

28.0307, 30.7843, 8.7396

### Deuteranopia

31.3184, 30.6964, 5.6408



## Tritanopia

47.9629, 30.7887, 16.2468

# Trichromacy



**Original Color**

46.4068, 30.7726, 6.1831

**Protanomaly**

32.8965, 29.3303, 7.5419

**Deuteranomaly**

35.7847, 29.8681, 5.6293

**Tritanomaly**

47.1690, 30.6199, 11.6078

# Monochromacy



**Original Color**

46.4068, 30.7726, 6.1831

**Achromatopsia**

25.3171, 26.6356, 29.0061

**Achromatomaly**

29.4061, 25.9283, 17.3647

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 46.4068, 30.7726, 6.1831 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, 101, 47)` looks like.

```
.text, #text, p{  
    color:rgb(255, 101, 47)  
}
```

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, 101, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 101, 47) }
```

## Border

The CSS property to change the border of an element to XYZ 46.4068, 30.7726, 6.1831 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, 101, 47) }
```



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

```
.border{ border-color:rgb(255, 101, 47) }
```

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

Here you see how a box with a 4 pixel rgb(255, 101, 47) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 101, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 101, 47);  
box-shadow:4px 4px 4px 4px rgb(255, 101,  
47) }
```

# Background

The CSS property to change the background color of an element to XYZ 46.4068, 30.7726, 6.1831 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 101, 47) }
```

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

```
.background{ background-color: rgb(255,  
101, 47) }
```

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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