

# Converting Colors

XYZ(48.1347, 32.9608, 10.6672)

Have a look what the booklet for  
XYZ(48.1347, 32.9608, 10.6672)  
contains.

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# Color

**XYZ(48.1204, 32.9337,  
10.6581)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF6E4C
RGB	255, 110, 76
RGB Percent	100%, 43%, 30%
CMY	0.0000, 0.5686, 0.7020
CMYK	0.00, 0.57, 0.70, 0.00
HSL	11°, 100%, 65%
HSV	11°, 70%, 100%
XYZ	48.1204, 32.9337, 10.6581
YIQ	149.4790, 97.3340, 20.1660

# Conversions

## Conversions Part 2

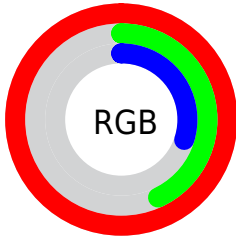
Format	Color
<a href="#">RYB</a>	<a href="#">255, 118, 76</a>
Decimal	<a href="#">16739916</a>
CIELab	<a href="#">64.11, 53.22, 45.94</a>
CIElCh	<a href="#">64, 70.304, 40.805</a>
Yxy	<a href="#">32.9337, 0.5247, 0.3591</a>
Android (android.graphics.Color)	<a href="#">4294929996 (0xFFFF6E4C)</a>
YUV	<a href="#">149.4790, -36.2251, 92.5419</a>
Hunter-Lab	<a href="#">57.3879, 49.2455, 29.1602</a>

# Details

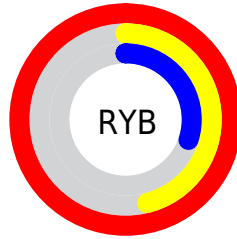
The XYZ color **48.1204, 32.9337, 10.6581** is a dark color, and the websafe version is hex **FF6633**. The color can be described as middle washed orange. A complement of this color would be **46.8845, 60.4646, 103.8067**, and the grayscale version is **28.8896, 30.3942, 33.0992**.

A 20% lighter version of the original color is **58.4610, 49.6766, 26.2460**, and **23.0738, 13.8975, 2.6287** is the 20% darker color. If you saturate the color by 10%, you get **45.4282, 28.6983, 6.2196**, and if you desaturate by 10%, it is **51.6846, 38.3519, 17.1197**.

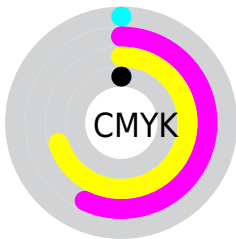
# Distribution



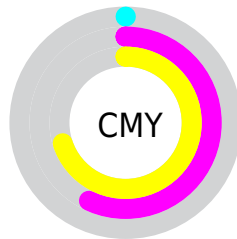
- Red (100%)
- Green (43%)
- Blue (30%)



- Red (100%)
- Yellow (46%)
- Blue (30%)



- Cyan (0%)
- Magenta (57%)
- Yellow (70%)
- Black (0%)




- Cyan (0%)
- Magenta (57%)
- Yellow (70%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 48.1204, 32.9337, 10.6581 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 48.1204, 32.9337, 10.6581 by changing the saturation by 10% instead.





 48.1204, 32.9337,  
10.6581


 48.1204, 32.9337,  
10.6581


369.8438,  
315.3509, 205.9592


 34.1339, 22.0757,  
5.7262

 86.5923, 64.2720,  
27.6531

 23.1599, 13.9125,  
2.6132


 111.8083, 85.5211,  
40.5532


 14.8329, 8.0598,  
0.8993


 141.4983,  
111.0026, 56.9465

 8.7878, 4.1333,  
0.0000

 176.0274,  
141.1009, 77.2515

 4.6590, 1.7484,  
0.0000

 215.7612,  
176.2006, 101.8867

 2.0813, 0.4547,  
0.0000

261.0650,

 0.6790, 0.0000,

216.6858, 131.2707

0.0000

312.3041,  
262.9411, 165.8220

■ 0.0000, 0.0000,  
0.0000

■ 48.1204, 32.9337,  
10.6581

■ 48.1204, 32.9337,  
10.6581

■ 45.4282, 28.6983,  
6.2196

■ 51.6846, 38.3519,  
17.1197

■ 43.5248, 25.5493,  
3.5573


■ 56.1886, 45.0284,  
25.8090

■ 42.3150, 23.4105,  
2.2884

■ 61.6960, 53.0387,  
36.9071

■ 68.2639, 62.4507,  
50.5763

■ 75.9450, 73.3276,  
66.9643

 84.7884, 85.7286,  
86.2078

94.8404, 99.7098,  
108.4341

95.0497, 99.9998,  
108.9000

# Harmonies

## Analogous

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



54.0904, 32.9337, 26.5418



48.1204, 32.9337, 10.6581



38.0190, 32.9337, 5.0211

# Triad

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



48.1204, 32.9337, 10.6581



16.4948, 32.9337, 20.7005



35.0256, 32.9337, 121.0236

# Complementary

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



48.1204, 32.9337, 10.6581



46.8845, 60.4646, 103.8067

# 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.



25.4276, 32.9337, 116.4184



48.1204, 32.9337, 10.6581



16.0270, 32.9337, 47.1360

# Square

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



48.1204, 32.9337, 10.6581



20.3963, 32.9337, 8.3292



18.9456, 32.9337, 84.8672



45.5337, 32.9337, 95.3294



# Rectangle

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



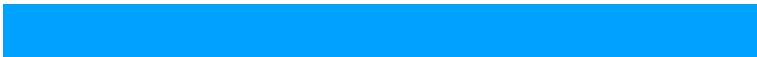
48.1204, 32.9337, 10.6581



31.0345, 32.9337, 4.2455



18.9456, 32.9337, 84.8672



31.5720, 32.9337, 123.2089

# Sweetspot

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



48.1212, 32.9355, 10.6587



75.2853, 72.3975, 65.5424



57.0335, 31.7126, 72.3509



15.6412, 14.8283, 13.0138



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.



48.1212, 32.9355, 10.6587



44.6162, 27.3776, 5.0124



62.8107, 62.3146, 15.5552



18.2886, 18.5454, 18.7600



22.1899, 12.3910, 1.2222

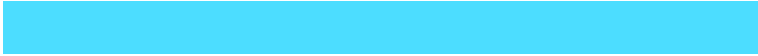


2.2310, 1.3473, 0.1425

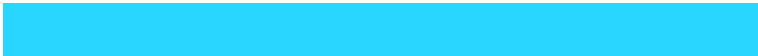


# Inverse Universe

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



46.8845, 60.4646, 103.8067



43.0800, 55.9344, 103.1336



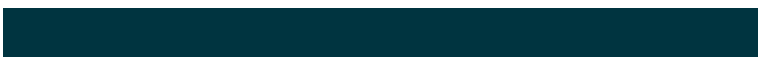
29.3748, 25.4451, 97.9701



18.2443, 19.8602, 23.1218



21.1386, 27.1867, 53.5680



2.1302, 2.7911, 5.2397



# Previews

## White Background



This preview shows how the XYZ color 48.1204, 32.9337, 10.6581 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 48.1204, 32.9337, 10.6581 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 48.1204, 32.9337, 10.6581**

## **Background**



This preview shows how black text looks on a background with the XYZ color 48.1204, 32.9337, 10.6581.



This preview shows how white text looks on a background with the XYZ color 48.1204, 32.9337,



# 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

48.1204, 32.9337, 10.6581

### Protanopia

30.5714, 33.1902, 14.6926

### Deuteranopia

33.6256, 32.9346, 10.0536



## Tritanopia

49.4783, 32.9676, 19.3784

# Trichromacy



**Original Color**

48.1204, 32.9337, 10.6581

**Protanomaly**

35.2695, 31.6937, 13.0627

**Deuteranomaly**

37.9813, 32.1041, 10.1561

**Tritanomaly**

48.9028, 32.9052, 15.8305

# Monochromacy



**Original Color**

48.1204, 32.9337, 10.6581

**Achromatopsia**

28.5667, 30.0544, 32.7292

**Achromatomaly**

32.9159, 29.4245, 22.3570

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 48.1204, 32.9337, 10.6581 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, 110, 76)` looks like.

```
.text, #text, p{  
    color:rgb(255, 110, 76)  
}
```

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, 110, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 110, 76) }
```

## Border

The CSS property to change the border of an element to XYZ 48.1204, 32.9337, 10.6581 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, 110, 76) }
```



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

```
.border{ border-color:rgb(255, 110, 76) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 110, 76)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 110, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 110, 76);  
box-shadow:4px 4px 4px 4px rgb(255, 110,  
76) }
```

# Background

The CSS property to change the background color of an element to XYZ 48.1204, 32.9337, 10.6581 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 110, 76) }
```

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

```
.background{ background-color: rgb(255,  
110, 76) }
```

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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