

# Converting Colors

XYZ(48.3098, 32.8386, 12.1786)

Have a look what the booklet for  
XYZ(48.3098, 32.8386, 12.1786)  
contains.

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# Color

**XYZ(48.3089, 32.8374,  
12.1796)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF6D54
RGB	255, 109, 84
RGB Percent	100%, 43%, 33%
CMY	0.0000, 0.5725, 0.6706
CMYK	0.00, 0.57, 0.67, 0.00
HSL	9°, 100%, 66%
HSV	9°, 67%, 100%
XYZ	48.3089, 32.8374, 12.1796
YIQ	149.8040, 95.0410, 23.1770

# Conversions

## Conversions Part 2

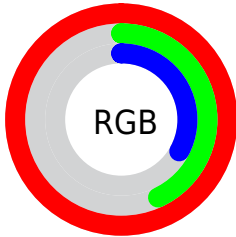
Format	Color
R <sub>Y</sub> B	255, 113, 84
Decimal	16739668
CIE Lab	64.03, 54.07, 41.62
CIE LCh	64, 68.232, 37.583
Yxy	32.8374, 0.5176, 0.3519
Android (android.graphics.Color)	4294929748 (0xFFFF6D54)
YUV	149.8040, -32.4414, 92.2569
Hunter-Lab	57.3039, 50.1989, 27.5110

# Details

The XYZ color **48.3089, 32.8374, 12.1796** is a dark color, and the websafe version is hex **FF6666**. The color can be described as middle muted orange. A complement of this color would be **50.0006, 65.6936, 104.6520**, and the grayscale version is **29.0125, 30.5234, 33.2400**.

A 20% lighter version of the original color is **58.9982, 49.8915, 29.0747**, and **23.3453, 13.8862, 3.2001** is the 20% darker color. If you saturate the color by 10%, you get **45.4438, 28.4256, 7.1617**, and if you desaturate by 10%, it is **52.1139, 38.5483, 19.3037**.

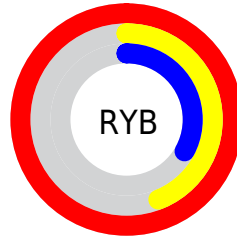
# Distribution



Red (100%)

Green (43%)

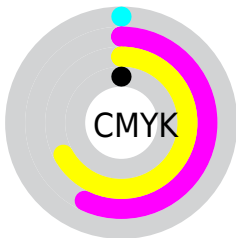
Blue (33%)



Red (100%)

Yellow (44%)

Blue (33%)

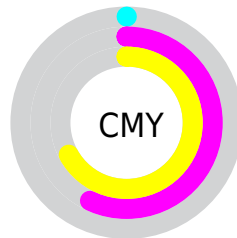


Cyan (0%)

Magenta (57%)

Yellow (67%)

Black (0%)



Cyan (0%)

Magenta (57%)


Yellow (67%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 48.3089, 32.8374, 12.1796 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 48.3089, 32.8374, 12.1796 by changing the saturation by 10% instead.





 48.3089, 32.8374,  
12.1796


 48.3089, 32.8374,  
12.1796


370.5775,  
314.9164, 216.6106

 34.2838, 22.0019,  
6.7421


 86.8711, 64.1216,  
30.4911

 23.2757, 13.8583,  
3.2253


 112.1389, 85.3391,  
44.2021


 14.9190, 8.0222,  
1.2108


 141.8850,  
110.7860, 61.5081

 8.8485, 4.1091,  
0.0000

 176.4748,  
140.8468, 82.8275

 4.6988, 1.7348,  
0.0000

 216.2735,  
175.9059, 108.5789

 2.1046, 0.4460,  
0.0000

261.6467,

 0.6917, 0.0000,

216.3475, 139.1809

0.0000

312.9595,  
262.5563, 175.0519

■ 0.0000, 0.0000,  
0.0000

■ 48.3089, 32.8374,  
12.1796

■ 48.3089, 32.8374,  
12.1796

■ 45.4438, 28.4256,  
7.1617

■ 52.1139, 38.5483,  
19.3037

■ 43.4316, 25.2042,  
4.0147

■ 56.9308, 45.6448,  
28.7318


■ 42.1703, 23.0552,  
2.4429

■ 62.8270, 54.2118,  
40.6405

■ 41.9105, 22.6013,  
2.1536

■ 69.8634, 64.3263,  
55.1889

■ 78.0963, 76.0596,  
72.5226

 87.5781, 89.4787,  
92.7766

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.



53.4046, 32.8374, 29.2014



48.3089, 32.8374, 12.1796



38.8198, 32.8374, 5.7201

# Triad

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



48.3089, 32.8374, 12.1796



17.0296, 32.8374, 19.1018



33.7194, 32.8374, 118.3161

# Complementary

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



48.3089, 32.8374, 12.1796



50.0006, 65.6936, 104.6520

# 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.



24.6676, 32.8374, 110.6189



48.3089, 32.8374, 12.1796



16.2166, 32.8374, 43.2209

# Square

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



48.3089, 32.8374, 12.1796



21.2229, 32.8374, 8.0408



18.7143, 32.8374, 78.8435



43.9246, 32.8374, 96.4123



# Rectangle

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



48.3089, 32.8374, 12.1796



31.9985, 32.8374, 4.6304



18.7143, 32.8374, 78.8435



30.4365, 32.8374, 119.2439

# Sweetspot

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



48.3097, 32.8392, 12.1802



75.5475, 72.4364, 67.1266



59.0040, 33.4383, 79.8370



15.6703, 14.7921, 13.3141



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.



48.3097, 32.8392, 12.1802



44.7677, 27.3593, 6.0533



61.7556, 59.7312, 16.6621



18.2237, 18.4155, 18.7384



21.9633, 11.9379, 1.1466

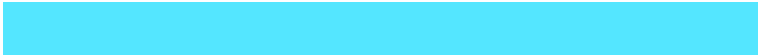


2.1993, 1.2840, 0.1319

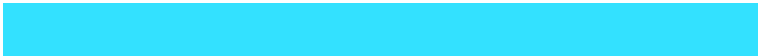


# Inverse Universe

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



50.0006, 65.6936, 104.6520



46.3852, 61.8638, 104.1039



32.0934, 29.8792, 98.6830



18.3151, 20.0019, 23.1454



22.5785, 30.0666, 54.0480



2.2574, 3.0456, 5.2821



# Previews

## White Background



This preview shows how the XYZ color 48.3089, 32.8374, 12.1796 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



## 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 48.3089, 32.8374, 12.1796**

## **Background**



This preview shows how black text looks on a background with the XYZ color 48.3089, 32.8374, 12.1796.



This preview shows how white text looks on a background with the XYZ color 48.3089, 32.8374,



# 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

48.3089, 32.8374, 12.1796

### Protanopia

30.4325, 32.8173, 17.0423

### Deuteranopia

33.6326, 32.9081, 11.4167



## Tritanopia

49.3747, 32.7603, 19.3438

# Trichromacy



## Original Color

48.3089, 32.8374, 12.1796

## Protanomaly

34.9735, 31.2825, 15.0213

## Deuteranomaly

37.9607, 32.0618, 11.5849

## Tritanomaly

48.8960, 32.7347, 16.3117

# Monochromacy



## Original Color

48.3089, 32.8374, 12.1796

## Achromatopsia

28.9890, 30.4987, 33.2131

## Achromatomaly

33.1689, 29.5257, 23.6895

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 48.3089, 32.8374, 12.1796 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, 109, 84)` looks like.

```
.text, #text, p{  
    color:rgb(255, 109, 84)  
}
```

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, 109, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 109, 84) }
```

## Border

The CSS property to change the border of an element to XYZ 48.3089, 32.8374, 12.1796 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, 109, 84) }
```



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

```
.border{ border-color:rgb(255, 109, 84) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 109, 84)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 109, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 109, 84);  
box-shadow:4px 4px 4px 4px rgb(255, 109,  
84) }
```

# Background

The CSS property to change the background color of an element to XYZ 48.3089, 32.8374, 12.1796 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 109, 84) }
```

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

```
.background{ background-color: rgb(255,  
109, 84) }
```

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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