

# Converting Colors

XYZ(48.3949, 32.0425, 15.1894)

Have a look what the booklet for  
XYZ(48.3949, 32.0425, 15.1894)  
contains.

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# Color

**XYZ(48.3949, 32.0425,  
15.1894)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF6862
RGB	255, 104, 98
RGB Percent	100%, 41%, 38%
CMY	0.0000, 0.5921, 0.6157
CMYK	0.00, 0.59, 0.62, 0.00
HSL	2°, 100%, 69%
HSV	2°, 62%, 100%
XYZ	48.3949, 32.0425, 15.1894
YIQ	148.4650, 91.9220, 30.1460

# Conversions

## Conversions Part 2

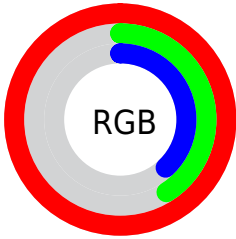
Format	Color
R <sub>Y</sub> B	255, 104, 98
Decimal	16738402
CIE Lab	63.38, 57.11, 33.13
CIE LCh	63, 66.029, 30.118
Yxy	32.0425, 0.5061, 0.3351
Android (android.graphics.Color)	4294928482 (0xFFFF6862)
YUV	148.4650, -24.8792, 93.4312
Hunter-Lab	56.6061, 53.5464, 23.7147

# Details

The XYZ color **48.3949, 32.0425, 15.1894** is a light color, and the websafe version is hex **FF6666**. A complement of this color would be **56.9598, 77.5622, 106.5760**, and the grayscale version is **28.4178, 29.8978, 32.5587**.

A 20% lighter version of the original color is **59.2356, 48.5715, 34.6870**, and **23.3128, 13.3995, 4.4896** is the 20% darker color. If you saturate the color by 10%, you get **45.2570, 27.3966, 9.1197**, and if you desaturate by 10%, it is **52.6353, 38.2804, 23.5184**.

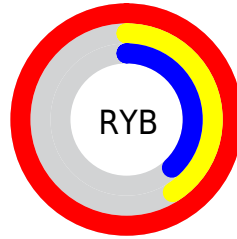
# Distribution



Red (100%)

Green (41%)

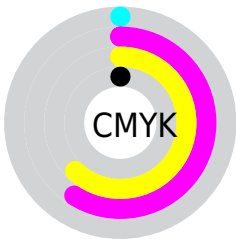
Blue (38%)



Red (100%)

Yellow (41%)

Blue (38%)

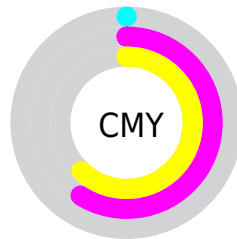


Cyan (0%)

Magenta (59%)

Yellow (62%)

Black (0%)



Cyan (0%)

Magenta (59%)


Yellow (62%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 48.3949, 32.0425, 15.1894 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 48.3949, 32.0425, 15.1894 by changing the saturation by 10% instead.





 48.3949, 32.0425,  
15.1894


 48.3949, 32.0425,  
15.1894


370.9119,  
311.3128, 236.1899


 34.3523, 21.3940,  
8.8043

 86.9982, 62.8777,  
35.9321

 23.3285, 13.4123,  
4.5187


 112.2896, 83.8332,  
51.1268

 14.9583, 7.7131,  
1.9140


 142.0613,  
108.9931, 70.0951

 8.8763, 3.9119,  
0.5016

 176.6787,  
138.7418, 93.2556

 4.7170, 1.6244,  
0.0000

216.5071,  
173.4637, 121.0268

 2.1152, 0.3740,  
0.0000

261.9118,

 0.6975, 0.0000,

213.5433, 153.8272

0.0000

313.2583,  
259.3648, 192.0754

■ 0.0000, 0.0000,  
0.0000

■ 48.3949, 32.0425,  
15.1894

■ 48.3949, 32.0425,  
15.1894

■ 45.2570, 27.3966,  
9.1197

■ 52.6353, 38.2804,  
23.5184

■ 43.1172, 24.1938,  
5.0868

■ 58.0653, 46.2311,  
34.2972

■ 41.8552, 22.2667,  
2.8260

■ 64.7659, 56.0099,  
47.6983

■ 41.3457, 21.4717,  
1.9653

■ 72.8104, 67.7206,  
63.8778

■ 82.2666, 81.4592,  
82.9800

93.1976, 97.3153,  
105.1389

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.



51.7093, 32.0425, 34.7851



48.3949, 32.0425, 15.1894



40.1118, 32.0425, 6.8666

# Triad

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



48.3949, 32.0425, 15.1894



17.5828, 32.0425, 15.2930



30.4917, 32.0425, 113.6671

# Complementary

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



48.3949, 32.0425, 15.1894



56.9598, 77.5622, 106.5760

# 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.



22.4883, 32.0425, 99.5423



48.3949, 32.0425, 15.1894



16.0071, 32.0425, 34.9928

# Square

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



48.3949, 32.0425, 15.1894



22.4370, 32.0425, 6.9018



17.6079, 32.0425, 66.8567



40.1874, 32.0425, 99.3335



# Rectangle

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



48.3949, 32.0425, 15.1894



33.5828, 32.0425, 5.0398



17.6079, 32.0425, 66.8567



27.5285, 32.0425, 112.0287

# Sweetspot

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



48.3957, 32.0443, 15.1899



76.0197, 72.3858, 70.3517



62.8261, 36.8829, 94.0580



15.7083, 14.6751, 13.9221



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.



48.3957, 32.0443, 15.1899



44.6492, 26.4909, 7.9607



60.1178, 55.4885, 19.0973



18.0651, 18.0984, 18.6855



21.6282, 11.2677, 1.0349



2.1246, 1.1346, 0.1070



# Inverse Universe

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



56.9598, 77.5622, 106.5760



53.8162, 75.3871, 106.3225



37.7003, 39.0434, 100.1562



18.4918, 20.3551, 23.2043



26.5576, 38.0247, 55.3744



2.6037, 3.7380, 5.3976



# Previews

## White Background



This preview shows how the XYZ color 48.3949, 32.0425, 15.1894 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

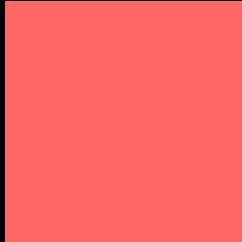
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 48.3949, 32.0425, 15.1894 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 48.3949, 32.0425, 15.1894**

## **Background**



This preview shows how black text looks on a background with the XYZ color 48.3949, 32.0425, 15.1894.



This preview shows how white text looks on a background with the XYZ color 48.3949, 32.0425,



# 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

48.3949, 32.0425, 15.1894

### Protanopia

30.1355, 32.3117, 21.7880

### Deuteranopia

32.8156, 32.1876, 14.3808



## Tritanopia

48.8506, 32.0646, 18.0824

# Trichromacy



## Original Color

48.3949, 32.0425, 15.1894

## Protanomaly

34.6994, 30.6263, 19.1215

## Deuteranomaly

37.2881, 31.0378, 14.6153

## Tritanomaly

48.6401, 31.9804, 16.9738

# Monochromacy



## Original Color

48.3949, 32.0425, 15.1894

## Achromatopsia

28.1479, 29.6138, 32.2495

## Achromatomaly

32.7740, 28.6790, 24.9273

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 48.3949, 32.0425, 15.1894 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, 104, 98)` looks like.

```
.text, #text, p{  
    color:rgb(255, 104, 98)  
}
```

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, 104, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 104, 98) }
```

## Border

The CSS property to change the border of an element to XYZ 48.3949, 32.0425, 15.1894 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, 104, 98) }
```



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

```
.border{ border-color:rgb(255, 104, 98) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 104, 98)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 104, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 104, 98);  
box-shadow:4px 4px 4px 4px rgb(255, 104,  
98) }
```

# Background

The CSS property to change the background color of an element to XYZ 48.3949, 32.0425, 15.1894 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 104, 98) }
```

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

```
.background{ background-color: rgb(255,  
104, 98) }
```

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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