

# Converting Colors

XYZ(48.1937, 32.3282, 22.9904)

Have a look what the booklet for  
XYZ(48.1937, 32.3282, 22.9904)  
contains.

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# Color

**XYZ(48.1312, 32.3455,  
23.1086)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F96C7D
RGB	249, 108, 125
RGB Percent	98%, 42%, 49%
CMY	0.0235, 0.5764, 0.5098
CMYK	0.00, 0.57, 0.50, 0.02
HSL	353°, 92%, 70%
HSV	353°, 57%, 98%
XYZ	48.1312, 32.3455, 23.1086
YIQ	152.0970, 78.5790, 35.1790

# Conversions

## Conversions Part 2

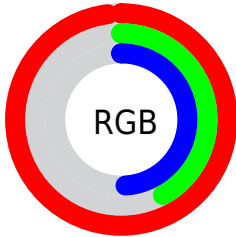
Format	Color
R <sub>Y</sub> B	249, 108, 125
Decimal	16346237
CIE Lab	63.63, 55.31, 17.99
CIE LCh	64, 58.165, 18.017
Yxy	32.3455, 0.4647, 0.3123
Android (android.graphics.Color)	4294536317 (0xFFFF96C7D)
YUV	152.0970, -13.3588, 84.9839
Hunter-Lab	56.8731, 51.5350, 15.7205

# Details

The XYZ color **48.1312, 32.3455, 23.1086** is a light color, and the websafe version is hex **FF6666**. A complement of this color would be **54.6274, 76.7665, 88.2874**, and the grayscale version is **29.9201, 31.4783, 34.2799**.

A 20% lighter version of the original color is **62.4513, 50.9852, 48.1446**, and **23.2715, 13.6692, 8.2493** is the 20% darker color. If you saturate the color by 10%, you get **44.6217, 27.3241, 15.7811**, and if you desaturate by 10%, it is **52.7004, 38.9931, 32.3114**.

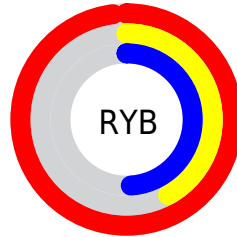
# Distribution



Red (98%)

Green (42%)

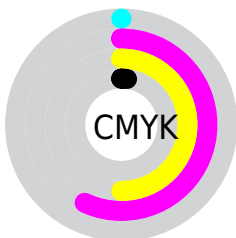
Blue (49%)



Red (98%)

Yellow (42%)

Blue (49%)

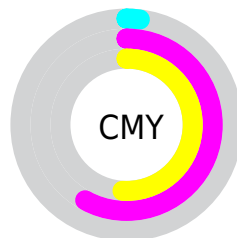


Cyan (0%)

Magenta (57%)

Yellow (50%)

Black (2%)



Cyan (2%)

Magenta (58%)


Yellow (51%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 48.1312, 32.3455, 23.1086 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 48.1312, 32.3455, 23.1086 by changing the saturation by 10% instead.





 48.1312, 32.3455,  
23.1086

 48.1312, 32.3455,  
23.1086

369.8859,  
312.6901, 281.4223


 34.1425, 21.6255,  
14.4677


 86.6082, 63.3523,  
49.4970


 23.1665, 13.5820,  
8.3042


 111.8273, 84.4080,  
68.0816

 14.8379, 7.8305,  
4.1997


 141.5204,  
109.6777, 90.8178

 8.7912, 3.9867,  
1.7355

 176.0531,  
139.5457, 118.1242

 4.6613, 1.6661,  
0.3849

215.7906,  
174.3966, 150.4193

 2.0826, 0.4016,  
0.0000

261.0983,

 0.6797, 0.0000,

214.6147, 188.1217

0.0000

312.3417,  
260.5844, 231.6498

■ 0.0000, 0.0000,  
0.0000

■ 48.1312, 32.3455,  
23.1086

■ 48.1312, 32.3455,  
23.1086

■ 44.6217, 27.3241,  
15.7811

■ 52.7004, 38.9931,  
32.3114

■ 42.0833, 23.7840,  
10.1973

■ 58.4036, 47.3850,  
43.5052

■ 40.4166, 21.5635,  
6.2111

■ 65.3109, 57.6347,  
56.7984

■ 39.4985, 20.4584,  
3.6509

■ 73.4864, 69.8442,  
72.2909

■ 39.3013, 20.2335,  
3.0630

■ 82.9893, 84.1084,  
90.0763

92.8769, 98.8797,  
108.7983

# Harmonies

## Analogous

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



48.7076, 32.3455, 45.3542



48.1312, 32.3455, 23.1086



42.4286, 32.3455, 11.3234

# Triad

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



48.1312, 32.3455, 23.1086



20.5271, 32.3455, 12.9601



27.6111, 32.3455, 99.6611

# Complementary

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



48.1312, 32.3455, 23.1086



54.6274, 76.7665, 88.2874

# 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.



21.4287, 32.3455, 80.0725



48.1312, 32.3455, 23.1086



17.8485, 32.3455, 26.7183

# Square

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



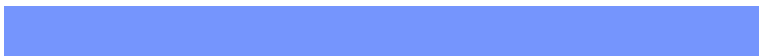
48.1312, 32.3455, 23.1086



26.1581, 32.3455, 7.4976



18.1465, 32.3455, 50.9574



35.8356, 32.3455, 97.2412



# Rectangle

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



48.1312, 32.3455, 23.1086



36.9733, 32.3455, 7.8818



18.1465, 32.3455, 50.9574



25.2559, 32.3455, 95.1706

# Sweetspot

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



48.1320, 32.3472, 23.1092



77.2042, 73.1754, 75.6154



55.1599, 34.4226, 93.3594



16.1320, 15.0747, 15.4438



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.



48.1320, 32.3472, 23.1092



46.6503, 28.2037, 15.6856



54.2938, 46.2621, 20.2575



17.3297, 17.2592, 18.3259



21.0640, 10.8413, 1.7796



1.9772, 1.0146, 0.3034



# Inverse Universe

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



48.1320, 32.3472, 23.1092



46.6503, 28.2037, 15.6856



43.3193, 50.0984, 97.0092



17.3297, 17.2592, 18.3259



21.0640, 10.8413, 1.7796



1.9772, 1.0146, 0.3034



# Previews

## White Background



This preview shows how the XYZ color 48.1312, 32.3455, 23.1086 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 48.1312, 32.3455, 23.1086 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 48.1312, 32.3455, 23.1086**

## **Background**



This preview shows how black text looks on a background with the XYZ color 48.1312, 32.3455, 23.1086.



This preview shows how white text looks on a background with the XYZ color 48.1312, 32.3455,



# 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

48.1312, 32.3455, 23.1086

### Protanopia

31.1990, 32.6202, 32.6689

### Deuteranopia

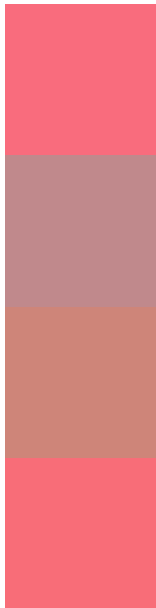
32.9757, 32.3355, 21.9561



## Tritanopia

47.3909, 32.1781, 20.5428

# Trichromacy



## Original Color

48.1312, 32.3455, 23.1086

## Protanomaly

35.4175, 30.9912, 28.9261

## Deuteranomaly

37.2923, 31.2773, 22.1608

## Tritanomaly

47.5702, 32.2498, 21.4869

# Monochromacy



## Original Color

48.1312, 32.3455, 23.1086

## Achromatopsia

29.8446, 31.3989, 34.1934

## Achromatomaly

34.1802, 30.1261, 29.6046

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 48.1312, 32.3455, 23.1086 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(249, 108, 125)` looks like.

```
.text, #text, p{  
    color:rgb(249, 108, 125)  
}
```

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(249, 108, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 108, 125) }
```

## Border

The CSS property to change the border of an element to XYZ 48.1312, 32.3455, 23.1086 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(249, 108, 125) }
```



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

```
.border{ border-color:rgb(249, 108, 125) }
```

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

Here you see how a box with a 4 pixel `rgb(249, 108, 125)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 108, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 108, 125);  
box-shadow:4px 4px 4px 4px rgb(249, 108,  
125) }
```

# Background

The CSS property to change the background color of an element to XYZ 48.1312, 32.3455, 23.1086 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 108, 125) }
```

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

```
.background{ background-color: rgb(249,  
108, 125) }
```

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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