

# Converting Colors

XYZ(48.0407, 25.8744, 31.9029)

Have a look what the booklet for  
XYZ(48.0407, 25.8744, 31.9029)  
contains.

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# Color

**XYZ(48.0097, 25.8620,  
31.7396)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF3397
RGB	255, 51, 151
RGB Percent	100%, 20%, 59%
CMY	0.0000, 0.7999, 0.4078
CMYK	0.00, 0.80, 0.41, 0.00
HSL	331°, 100%, 60%
HSV	331°, 80%, 100%
XYZ	48.0097, 25.8620, 31.7396
YIQ	123.3960, 89.4840, 74.3480

# Conversions

## Conversions Part 2

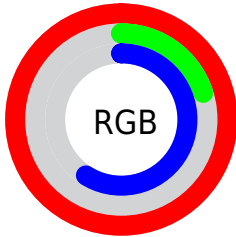
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 51, 151
Decimal	16724887
CIE Lab	57.91, 79.64, -5.19
CIE LCh	58, 79.808, 356.274
Yxy	25.8620, 0.4546, 0.2449
Android (android.graphics.Color)	4294914967 (0xFFFF3397)
YUV	123.3960, 13.6088, 115.4167
Hunter-Lab	50.8547, 79.5184, -1.4060

# Details

The XYZ color **48.0097, 25.8620, 31.7396** is a light color, and the websafe version is hex **FF3399**. The color can be described as light washed rose. A complement of this color would be **43.0438, 74.5912, 43.1464**, and the grayscale version is **18.8958, 19.8798, 21.6491**.

A 20% lighter version of the original color is **58.8563, 38.8614, 62.1565**, and **24.0385, 12.1266, 13.1303** is the 20% darker color. If you saturate the color by 10%, you get **46.1861, 23.8125, 26.2065**, and if you desaturate by 10%, it is **50.5611, 29.1807, 38.0902**.

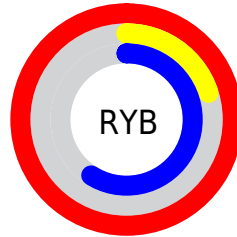
# Distribution



Red (100%)

Green (20%)

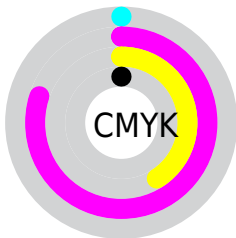
Blue (59%)



Red (100%)

Yellow (20%)

Blue (59%)

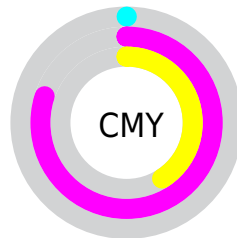


Cyan (0%)

Magenta (80%)

Yellow (41%)

Black (0%)



Cyan (0%)

Magenta (80%)


Yellow (41%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 48.0097, 25.8620, 31.7396 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 48.0097, 25.8620, 31.7396 by changing the saturation by 10% instead.





 48.0097, 25.8620,  
31.7396


 48.0097, 25.8620,  
31.7396


369.4125,  
282.1040, 324.3874


 34.0459, 16.7204,  
20.8995


 86.4285, 53.0522,  
63.4958


 23.0919, 10.0354,  
12.8600


 111.6141, 71.8697,  
85.2490


 14.7824, 5.4224,  
7.2026


 141.2710, 94.6812,  
111.4770

 8.7522, 2.4972,  
3.5088


 175.7646,  
121.8712, 142.5982

 4.6357, 0.8752,  
1.3599

 215.4601,  
153.8241, 179.0314

 2.0677, 0.0000,  
0.1102

260.7231,

 0.6716, 0.0000,

190.9243, 221.1950

0.0000

311.9188,  
233.5561, 269.5074

■ 0.0000, 0.0000,  
0.0000

■ 48.0097, 25.8620,  
31.7396

■ 48.0097, 25.8620,  
31.7396

■ 46.1861, 23.8125,  
26.2065

■ 50.5611, 29.1807,  
38.0902

■ 44.9417, 22.7410,  
21.4222

■ 53.9290, 33.9404,  
45.3050

■ 44.9409, 22.7404,  
21.4193

■ 58.1908, 40.2904,  
53.4270

■ 63.4139, 48.3599,  
62.4948

■ 69.6587, 58.2649,  
72.5442

■ 76.9805, 70.1111,  
83.6089

■ 85.4305, 83.9962,  
95.7204

95.0499, 100.0000,  
108.9000

# Harmonies

## Analogous

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



43.3705, 25.8620, 68.9362



48.0097, 25.8620, 31.7396



45.1473, 25.8620, 10.6313

# Triad

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



48.0097, 25.8620, 31.7396



17.2764, 25.8620, 2.3724



15.6841, 25.8620, 99.0682

# Complementary

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



48.0097, 25.8620, 31.7396



43.0438, 74.5912, 43.1464

# 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.



11.4578, 25.8620, 58.6744



48.0097, 25.8620, 31.7396



12.1948, 25.8620, 7.8139

# Square

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



48.0097, 25.8620, 31.7396



25.8013, 25.8620, 1.4850



10.3702, 25.8620, 24.8589



23.3999, 25.8620, 120.8312



# Rectangle

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



48.0097, 25.8620, 31.7396



39.6900, 25.8620, 4.6186



10.3702, 25.8620, 24.8589



13.8948, 25.8620, 86.3120

# Sweetspot

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



48.0104, 25.8635, 31.7400



73.9144, 65.1254, 79.0519



32.3730, 16.3622, 96.0595



15.2691, 13.0483, 16.0828



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.



48.0104, 25.8635, 31.7400



45.3928, 23.0982, 23.2520



43.0224, 23.8682, 5.4734



18.3805, 18.1355, 20.6207



23.5576, 11.9123, 11.5869



2.3487, 1.1819, 1.4178



# Inverse Universe

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



48.0104, 25.8635, 31.7400



45.3928, 23.0982, 23.2520



55.1760, 79.4441, 107.0337



18.3805, 18.1355, 20.6207



23.5576, 11.9123, 11.5869



2.3487, 1.1819, 1.4178



# Previews

## White Background



This preview shows how the XYZ color 48.0097, 25.8620, 31.7396 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

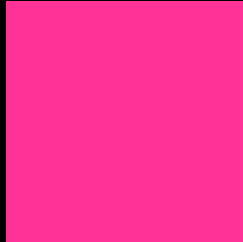
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 48.0097, 25.8620, 31.7396 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 × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 48.0097, 25.8620, 31.7396**

## **Background**



This preview shows how black text looks on a background with the XYZ color 48.0097, 25.8620, 31.7396.



This preview shows how white text looks on a background with the XYZ color 48.0097, 25.8620,

31.7396.

# 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

48.0097, 25.8620, 31.7396

### Protanopia

27.3012, 26.0810, 61.3528

### Deuteranopia

26.4206, 25.9264, 28.8111



## Tritanopia

43.2127, 25.7574, 9.7153

# Trichromacy



## Original Color

48.0097, 25.8620, 31.7396



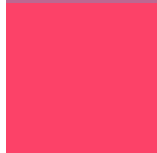
## Protanomaly

29.8473, 22.0263, 48.5773



## Deuteranomaly

31.0474, 22.7638, 29.5455



## Tritanomaly

44.5918, 25.5914, 15.6861

# Monochromacy



## Original Color

48.0097, 25.8620, 31.7396



## Achromatopsia

18.8265, 19.8069, 21.5697



## Achromatomaly

25.3029, 18.9008, 24.5049

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 48.0097, 25.8620, 31.7396 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, 51, 151)` looks like.

```
.text, #text, p{  
    color:rgb(255, 51, 151)  
}
```

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, 51, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 51, 151) }
```

## Border

The CSS property to change the border of an element to XYZ 48.0097, 25.8620, 31.7396 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, 51, 151) }
```



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

```
.border{ border-color:rgb(255, 51, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 51, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 51, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 51, 151);  
box-shadow:4px 4px 4px 4px rgb(255, 51,  
151) }
```

# Background

The CSS property to change the background color of an element to XYZ 48.0097, 25.8620, 31.7396 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 51, 151) }
```

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

```
.background{ background-color: rgb(255, 51,  
151) }
```

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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