

# Converting Colors

XYZ(48.3996, 25.5662, 35.1853)

Have a look what the booklet for  
XYZ(48.3996, 25.5662, 35.1853)  
contains.

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# Color

**XYZ(48.3987, 25.5646,  
35.1844)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF2C9F
RGB	255, 44, 159
RGB Percent	100%, 17%, 62%
CMY	0.0000, 0.8274, 0.3765
CMYK	0.00, 0.83, 0.38, 0.00
HSL	327°, 100%, 59%
HSV	327°, 83%, 100%
XYZ	48.3987, 25.5646, 35.1844
YIQ	120.1990, 88.8410, 80.4970

# Conversions

## Conversions Part 2

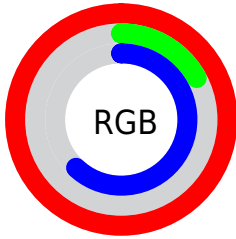
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 44, 159
Decimal	16723103
CIE <sub>Lab</sub>	57.62, 81.94, -10.31
CIE <sub>LCh</sub>	58, 82.584, 352.828
Yxy	25.5646, 0.4434, 0.2342
Android (android.graphics.Color)	4294913183 (0xFFFF2C9F)
YUV	120.1990, 19.1289, 118.2205
Hunter-Lab	50.5614, 82.3822, -5.8654

# Details

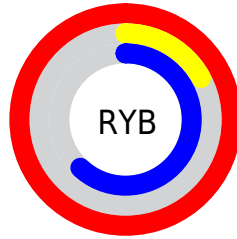
The XYZ color **48.3987, 25.5646, 35.1844** is a dark color, and the websafe version is hex **FF3399**. The color can be described as middle washed rose. A complement of this color would be **41.5346, 73.9499, 36.9031**, and the grayscale version is **17.8401, 18.7692, 20.4396**.

A 20% lighter version of the original color is **59.5083, 38.3765, 67.8893**, and **24.6991, 12.4202, 15.2829** is the 20% darker color. If you saturate the color by 10%, you get **46.7625, 23.8287, 29.9023**, and if you desaturate by 10%, it is **50.7131, 28.5056, 41.1593**.

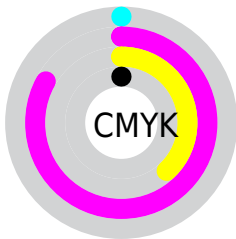
# Distribution



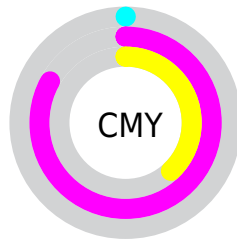
- Red (100%)
- Green (17%)
- Blue (62%)



- Red (100%)
- Yellow (17%)
- Blue (62%)



- Cyan (0%)
- Magenta (83%)
- Yellow (38%)
- Black (0%)




- Cyan (0%)
- Magenta (83%)
- Yellow (38%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 48.3987, 25.5646, 35.1844 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 48.3987, 25.5646, 35.1844 by changing the saturation by 10% instead.




 48.3987, 25.5646,  
35.1844


 48.3987, 25.5646,  
35.1844


370.9266,  
280.6381, 340.3105


 34.3553, 16.4982,  
23.5203

 87.0038, 52.5717,  
68.9261


 23.3309, 9.8774,  
14.7692


 112.2963, 71.2812,  
91.8408


 14.9600, 5.3177,  
8.5128


 142.0691, 93.9738,  
119.3428

 8.8775, 2.4349,  
4.3323

 176.6877,  
121.0340, 151.8505

 4.7178, 0.8437,  
1.8094

 216.5174,  
152.8461, 189.7827

 2.1157, 0.0000,  
0.4341

261.9236,

 0.6977, 0.0000,

189.7946, 233.5577

0.0000

313.2715,  
232.2638, 283.5941

■ 0.0000, 0.0000,  
0.0000

■ 48.3987, 25.5646,  
35.1844

■ 48.3987, 25.5646,  
35.1844

■ 46.7625, 23.8287,  
29.9023

■ 50.7131, 28.5056,  
41.1593

■ 45.8980, 23.1232,  
26.4590

■ 53.7988, 32.8339,  
47.8698

■ 57.7353, 38.7047,  
55.3544

■ 62.5912, 46.2515,  
63.6472

■ 68.4276, 55.5930,  
72.7799

75.3002, 66.8372,  
82.7815

83.2605, 80.0834,  
93.6795

92.3562, 95.4240,  
105.5001

95.0500, 100.0000,  
108.9000

# Harmonies

## Analogous

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



42.7658, 25.5646, 75.2574



48.3987, 25.5646, 35.1844



46.3121, 25.5646, 11.6301

# Triad

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



48.3987, 25.5646, 35.1844



17.6566, 25.5646, 1.7862



14.5441, 25.5646, 97.4486

# Complementary

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



48.3987, 25.5646, 35.1844



41.5346, 73.9499, 36.9031

# 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.



10.6723, 25.5646, 54.6818



48.3987, 25.5646, 35.1844



12.1002, 25.5646, 6.2222

# Square

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



48.3987, 25.5646, 35.1844



26.7446, 25.5646, 1.2399



9.9180, 25.5646, 21.5885



22.0061, 25.5646, 124.0242



# Rectangle

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



48.3987, 25.5646, 35.1844



41.0357, 25.5646, 4.8288



9.9180, 25.5646, 21.5885



12.8720, 25.5646, 83.5123

# Sweetspot

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



48.3994, 25.5660, 35.1848



73.6518, 64.1213, 80.4410



29.5923, 14.5084, 95.8484



15.2400, 12.8648, 16.4591



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.



48.3994, 25.5660, 35.1848



46.0110, 23.2127, 26.9170



42.8207, 23.3345, 5.8076



18.4235, 18.1527, 20.8474



24.0591, 12.1129, 14.2275



2.3977, 1.2015, 1.6757



# Inverse Universe

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



48.3994, 25.5660, 35.1848



46.0110, 23.2127, 26.9170



53.1973, 78.6150, 98.3178



18.4235, 18.1527, 20.8474



24.0591, 12.1129, 14.2275



2.3977, 1.2015, 1.6757



# Previews

## White Background



This preview shows how the XYZ color 48.3987, 25.5646, 35.1844 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 48.3987, 25.5646, 35.1844 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 48.3987, 25.5646, 35.1844**

## **Background**



This preview shows how black text looks on a background with the XYZ color 48.3987, 25.5646, 35.1844.



This preview shows how white text looks on a background with the XYZ color 48.3987, 25.5646,

35.1844.

# 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

48.3987, 25.5646, 35.1844

### Protanopia

27.7747, 25.9109, 70.5553

### Deuteranopia

26.2220, 25.7620, 31.6075



## Tritanopia

43.1114, 25.6109, 9.5086

# Trichromacy



## Original Color

48.3987, 25.5646, 35.1844



## Protanomaly

29.6262, 21.3088, 55.3749



## Deuteranomaly

30.9124, 22.3345, 32.3875



## Tritanomaly

44.4690, 25.1813, 16.1524

# Monochromacy



## Original Color

48.3987, 25.5646, 35.1844



## Achromatopsia

17.8524, 18.7821, 20.4537



## Achromatomaly

24.4924, 17.8105, 24.7011

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 48.3987, 25.5646, 35.1844 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, 44, 159)` looks like.

```
.text, #text, p{  
    color:rgb(255, 44, 159)  
}
```

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, 44, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 44, 159) }
```

## Border

The CSS property to change the border of an element to XYZ 48.3987, 25.5646, 35.1844 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, 44, 159) }
```



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

```
.border{ border-color:rgb(255, 44, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 44, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 44, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 44, 159);  
box-shadow:4px 4px 4px 4px rgb(255, 44,  
159) }
```

# Background

The CSS property to change the background color of an element to XYZ 48.3987, 25.5646, 35.1844 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 44, 159) }
```

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

```
.background{ background-color: rgb(255, 44,  
159) }
```

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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