

# Converting Colors

XYZ(48.3959, 24.6964, 37.8429)

Have a look what the booklet for  
XYZ(48.3959, 24.6964, 37.8429)  
contains.

<b>XYZ(48.4009, 24.7154, 37.8168)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(48.4009, 24.7154,  
37.8168)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF1AA5
RGB	255, 26, 165
RGB Percent	100%, 10%, 65%
CMY	0.0000, 0.8979, 0.3529
CMYK	0.00, 0.90, 0.35, 0.00
HSL	324°, 100%, 55%
HSV	324°, 90%, 100%
XYZ	48.4009, 24.7154, 37.8168
YIQ	110.3170, 91.8650, 91.7770

# Conversions

## Conversions Part 2

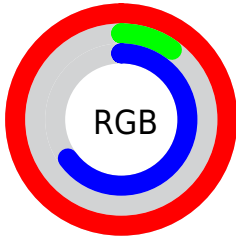
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 26, 165
Decimal	16718501
CIE <sub>Lab</sub>	56.80, 85.50, -15.07
CIE <sub>LCh</sub>	57, 86.816, 350.002
Yxy	24.7154, 0.4363, 0.2228
Android (android.graphics.Color)	4294908581 (0xFFFF1AA5)
YUV	110.3170, 26.9587, 126.8870
Hunter-Lab	49.7146, 86.7827, -10.3004

# Details

The XYZ color **48.4009, 24.7154, 37.8168** is a dark color, and the websafe version is hex **FF0099**. The color can be described as middle washed rose. A complement of this color would be **39.3410, 73.0017, 28.5497**, and the grayscale version is **14.8232, 15.5952, 16.9832**.

A 20% lighter version of the original color is **59.4160, 36.9427, 71.7092**, and **24.7189, 12.3987, 16.7131** is the 20% darker color. If you saturate the color by 10%, you get **47.1602, 23.6373, 33.0771**, and if you desaturate by 10%, it is **50.1873, 26.7704, 43.0915**.

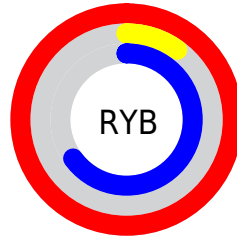
# Distribution



Red (100%)

Green (10%)

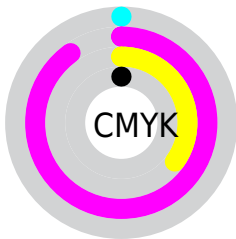
Blue (65%)



Red (100%)

Yellow (10%)

Blue (65%)

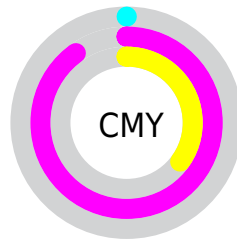


Cyan (0%)

Magenta (90%)

Yellow (35%)

Black (0%)



Cyan (0%)

Magenta (90%)


Yellow (35%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 48.4009, 24.7154, 37.8168 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 48.4009, 24.7154, 37.8168 by changing the saturation by 10% instead.




 48.4009, 24.7154,  
37.8168


 48.4009, 24.7154,  
37.8168


370.9352,  
276.4176, 352.1080


 34.3570, 15.8651,  
25.5398


 87.0071, 51.1951,  
73.0276

 23.3322, 9.4288,  
16.2570


 112.3001, 69.5934,  
96.7984


 14.9610, 5.0219,  
9.5499


 142.0736, 91.9432,  
125.2376

 8.8782, 2.2601,  
4.9999

 176.6929,  
118.6288, 158.7637

 4.7183, 0.7525,  
2.1884

 216.5234,  
150.0346, 197.7953

 2.1160, 0.0000,  
0.6677

261.9303,

 0.6979, 0.0000,

186.5451, 242.7508

0.0000

313.2792,  
228.5447, 294.0489

■ 0.0000, 0.0000,  
0.0000

■ 48.4009, 24.7154,  
37.8168

■ 48.4009, 24.7154,  
37.8168

■ 47.1602, 23.6373,  
33.0771

■ 50.1873, 26.7704,  
43.0915

■ 47.1369, 23.6188,  
32.9829

■ 52.6579, 30.0769,  
48.9548

■ 55.9020, 34.8108,  
55.4439

■ 59.9939, 41.1187,  
62.5911

■ 64.9990, 49.1290,  
70.4252

70.9760, 58.9565,  
78.9727

77.9782, 70.7062,  
88.2581

86.0553, 84.4749,  
98.3045

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.



41.8179, 24.7154, 81.1268



48.4009, 24.7154, 37.8168



46.9899, 24.7154, 11.9728

# Triad

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



48.4009, 24.7154, 37.8168



17.4331, 24.7154, 1.1541



13.0551, 24.7154, 96.3608

# Complementary

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



48.4009, 24.7154, 37.8168



39.3410, 73.0017, 28.5497

# 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.



9.5197, 24.7154, 50.8872



48.4009, 24.7154, 37.8168



11.4964, 24.7154, 4.6106

# Square

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



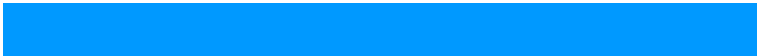
48.4009, 24.7154, 37.8168



27.0417, 24.7154, 0.8689



9.0459, 24.7154, 18.3335



20.2660, 24.7154, 127.8720



# Rectangle

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



48.4009, 24.7154, 37.8168



41.8167, 24.7154, 4.6098



9.0459, 24.7154, 18.3335



11.4970, 24.7154, 81.1326

# Sweetspot

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



48.4016, 24.7168, 37.8172



72.8254, 62.0390, 81.4897



25.3339, 11.5243, 95.4969



15.1058, 12.4763, 16.7849



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.



48.4016, 24.7168, 37.8172



47.1370, 23.6188, 32.9829



42.2468, 22.2549, 5.4064



18.4725, 18.1723, 21.1054



24.7056, 12.3715, 17.6321



2.4593, 1.2261, 1.9999



# Inverse Universe

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



48.4016, 24.7168, 37.8172



47.1370, 23.6188, 32.9829



50.2303, 77.3574, 85.8919



18.4725, 18.1723, 21.1054



24.7056, 12.3715, 17.6321



2.4593, 1.2261, 1.9999



# Previews

## White Background



This preview shows how the XYZ color 48.4009, 24.7154, 37.8168 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

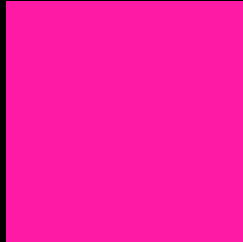
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 48.4009, 24.7154, 37.8168 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 48.4009, 24.7154, 37.8168**

## **Background**



This preview shows how black text looks on a background with the XYZ color 48.4009, 24.7154, 37.8168.



This preview shows how white text looks on a background with the XYZ color 48.4009, 24.7154,

37.8168.

# 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

48.4009, 24.7154, 37.8168

### Protanopia

27.8492, 25.3131, 80.5089

### Deuteranopia

25.3756, 24.8589, 34.0327



## Tritanopia

42.2714, 24.7289, 8.5064

# Trichromacy



## Original Color

48.4009, 24.7154, 37.8168



## Protanomaly

28.6142, 19.5108, 61.9323



## Deuteranomaly

29.7027, 20.5413, 34.7471



## Tritanomaly

43.6066, 24.0754, 15.7133

# Monochromacy



## Original Color

48.4009, 24.7154, 37.8168



## Achromatopsia

14.8208, 15.5926, 16.9804



## Achromatomaly

21.9295, 14.9902, 22.8567

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 48.4009, 24.7154, 37.8168 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, 26, 165)` looks like.

```
.text, #text, p{  
    color:rgb(255, 26, 165)  
}
```

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, 26, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 26, 165) }
```

## Border

The CSS property to change the border of an element to XYZ 48.4009, 24.7154, 37.8168 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, 26, 165) }
```



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

```
.border{ border-color:rgb(255, 26, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 26, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 26, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 26, 165);  
box-shadow:4px 4px 4px 4px rgb(255, 26,  
165) }
```

# Background

The CSS property to change the background color of an element to XYZ 48.4009, 24.7154, 37.8168 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 26, 165) }
```

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

```
.background{ background-color: rgb(255, 26,  
165) }
```

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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