

# Converting Colors

XYZ(48.6631, 24.1216, 45.8834)

Have a look what the booklet for  
XYZ(48.6631, 24.1216, 45.8834)  
contains.

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# Color

**XYZ(48.4854, 24.0316,  
45.7992)**

# Conversions

## Conversions Part 1

| Format      | Color                      |
|-------------|----------------------------|
| Hex         | FC00B5                     |
| RGB         | 252, 0, 181                |
| RGB Percent | 99%, 0%, 71%               |
| CMY         | 0.0118, 0.9998, 0.2902     |
| CMYK        | 0.00, 1.00, 0.28, 0.01     |
| HSL         | 317°, 100%, 49%            |
| HSV         | 317°, 100%, 99%            |
| XYZ         | 48.4854, 24.0316, 45.7992  |
| YIQ         | 95.9820, 92.0910, 109.7150 |

# Conversions

## Conversions Part 2

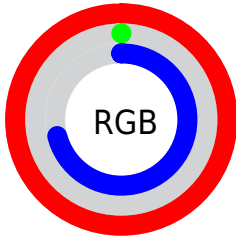
| <b>Format</b>                       | <b>Color</b>                  |
|-------------------------------------|-------------------------------|
| <b>R<sub>YB</sub></b>               | 252, 0, 181                   |
| Decimal                             | 16515253                      |
| CIE <sub>Lab</sub>                  | 56.12, 88.65, -25.51          |
| CIE <sub>LCh</sub>                  | 56, 92.247, 343.947           |
| Yxy                                 | 24.0316, 0.4098,<br>0.2031    |
| Android<br>(android.graphics.Color) | 4294705333<br>(0xFFFC00B5)    |
| YUV                                 | 95.9820, 41.9139,<br>136.8278 |
| Hunter-Lab                          | 49.0220, 90.7574,<br>-21.0767 |

# Details

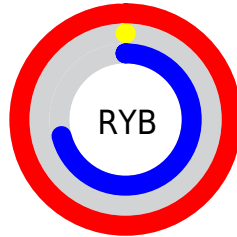
The XYZ color **48.4854, 24.0316, 45.7992** is a dark color, and the websafe version is hex **FF33CC**. The color can be described as middle saturated rose. A complement of this color would be **35.9503, 70.0771, 17.6018**, and the grayscale version is **11.0073, 11.5806, 12.6112**.

A 20% lighter version of the original color is **61.1797, 36.6818, 83.9765**, and **25.1315, 12.5057, 21.5113** is the 20% darker color. If you saturate the color by 10%, you get **48.4840, 24.0311, 45.7912**, and if you desaturate by 10%, it is **49.5862, 25.0369, 49.8537**.

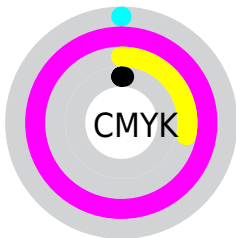
# Distribution



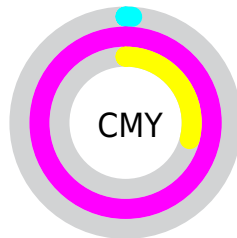
- Red (99%)
- Green (0%)
- Blue (71%)



- Red (99%)
- Yellow (0%)
- Blue (71%)



- Cyan (0%)
- Magenta (100%)
- Yellow (28%)
- Black (1%)




- Cyan (1%)
- Magenta (100%)
- Yellow (29%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 48.4854, 24.0316, 45.7992 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 48.4854, 24.0316, 45.7992 by changing the saturation by 10% instead.





 48.4854, 24.0316,  
45.7992


 48.4854, 24.0316,  
45.7992

371.2636,  
272.9802, 386.2549


 34.4243, 15.3571,  
31.7399


 87.1320, 50.0818,  
85.2495


 23.3842, 9.0704,  
20.8997


 112.4482, 68.2262,  
111.4776


 14.9997, 4.7871,  
12.8602


 142.2468, 90.2960,  
142.5990

 8.9055, 2.1229,  
7.2027

 176.8932,  
116.6756, 179.0323

 4.7362, 0.6775,  
3.5089

 216.7527,  
147.7495, 221.1960

 2.1265, 0.0000,  
1.3600

262.1907,

 0.7036, 0.0000,

183.9019, 269.5086

0.1102

313.5726,  
225.5174, 324.3887

■ 0.0000, 0.0000,  
0.0000

■ 48.4854, 24.0316,  
45.7992

■ 48.4854, 24.0316,  
45.7992

■ 48.4840, 24.0311,  
45.7912

■ 49.5862, 25.0369,  
49.8537

■ 51.1785, 26.9651,  
54.2578

■ 53.4026, 30.0956,  
59.0610

■ 56.3436, 34.5982,  
64.2943

■ 60.0733, 40.6153,  
69.9840

■ 64.6543, 48.2713,  
76.1534

■ 70.1426, 57.6779,  
82.8236

■ 76.5897, 68.9366,  
90.0140

■ 84.0426, 82.1414,  
97.7428

# Harmonies

## Analogous

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



40.0591, 24.0316, 94.4779



48.4854, 24.0316, 45.7992



48.8055, 24.0316, 14.4900

# Triad

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



48.4854, 24.0316, 45.7992



18.2823, 24.0316, 0.5055



11.1062, 24.0316, 90.9616

# Complementary

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



48.4854, 24.0316, 45.7992



35.9503, 70.0771, 17.6018

# 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.



8.2444, 24.0316, 42.8626



48.4854, 24.0316, 45.7992



11.4361, 24.0316, 2.6457

# Square

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



48.4854, 24.0316, 45.7992



28.9382, 24.0316, 0.5668



8.3429, 24.0316, 13.1405



17.6672, 24.0316, 131.5143



# Rectangle

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



48.4854, 24.0316, 45.7992



44.2029, 24.0316, 5.2578



8.3429, 24.0316, 13.1405



9.7846, 24.0316, 74.0207

# Sweetspot

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



48.4862, 24.0329, 45.7996



72.0313, 59.2086, 85.0541



19.9026, 8.2313, 92.6357



14.8838, 11.7528, 17.5728



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.



48.4862, 24.0329, 45.7996



49.8018, 24.6847, 47.0157



40.9309, 21.0108, 6.0143



17.7722, 17.4362, 20.6562



25.3220, 12.5445, 24.2020



2.3906, 1.1800, 2.4800



# Inverse Universe

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



48.4862, 24.0329, 45.7996



49.8018, 24.6847, 47.0157



44.4606, 73.4812, 62.4167



17.7722, 17.4362, 20.6562



25.3220, 12.5445, 24.2020



2.3906, 1.1800, 2.4800



# Previews

## White Background



This preview shows how the XYZ color 48.4854, 24.0316, 45.7992 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

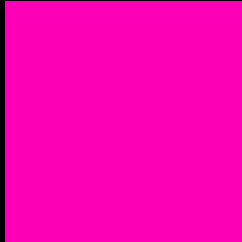
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 48.4854, 24.0316, 45.7992 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

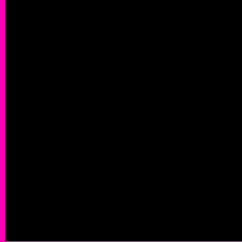
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 48.4854, 24.0316, 45.7992**

## **Background**



This preview shows how black text looks on a background with the XYZ color 48.4854, 24.0316, 45.7992.



This preview shows how white text looks on a background with the XYZ color 48.4854, 24.0316,



# 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

48.4854, 24.0316, 45.7992

### Protanopia

28.8271, 25.0246, 97.9186

### Deuteranopia

25.0647, 24.5452, 40.9528



## Tritanopia

40.8315, 24.2476, 9.1848

# Trichromacy



## Original Color

48.4854, 24.0316, 45.7992



## Protanomaly

27.3273, 17.1763, 75.2738



## Deuteranomaly

28.6958, 18.7442, 41.6407



## Tritanomaly

42.3334, 22.8658, 18.1019

# Monochromacy



## Original Color

48.4854, 24.0316, 45.7992



## Achromatopsia

11.1181, 11.6971, 12.7381



## Achromatomaly

18.6364, 11.6421, 21.3436

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 48.4854, 24.0316, 45.7992 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(252, 0, 181)` looks like.

```
.text, #text, p{  
    color:rgb(252, 0, 181)  
}
```

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(252, 0, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 0, 181) }
```

## Border

The CSS property to change the border of an element to XYZ 48.4854, 24.0316, 45.7992 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(252, 0, 181) }
```



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

```
.border{ border-color:rgb(252, 0, 181) }
```

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

Here you see how a box with a 4 pixel rgb(252, 0, 181) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 0, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 0, 181);  
box-shadow:4px 4px 4px 4px rgb(252, 0,  
181) }
```

# Background

The CSS property to change the background color of an element to XYZ 48.4854, 24.0316, 45.7992 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 0, 181) }
```

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

```
.background{ background-color: rgb(252, 0,  
181) }
```

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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