

# Converting Colors

XYZ(49.5470, 25.0715, 44.1678)

Have a look what the booklet for  
XYZ(49.5470, 25.0715, 44.1678)  
contains.

<b>XYZ(49.5823, 25.0871, 44.3485)</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(49.5823, 25.0871,  
44.3485)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF17B2
RGB	255, 23, 178
RGB Percent	100%, 9%, 70%
CMY	0.0000, 0.9097, 0.3020
CMYK	0.00, 0.91, 0.30, 0.00
HSL	320°, 100%, 55%
HSV	320°, 91%, 100%
XYZ	49.5823, 25.0871, 44.3485
YIQ	110.0380, 88.5170, 97.3890

# Conversions

## Conversions Part 2

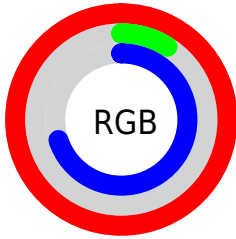
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 23, 178
Decimal	16717746
CIE <sub>Lab</sub>	57.16, 87.15, -22.11
CIE <sub>LCh</sub>	57, 89.916, 345.762
Yxy	25.0871, 0.4166, 0.2108
Android (android.graphics.Color)	4294907826 (0xFFFF17B2)
YUV	110.0380, 33.5053, 127.1317
Hunter-Lab	50.0870, 89.0490, -17.4362

# Details

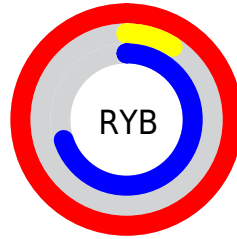
The XYZ color **49.5823, 25.0871, 44.3485** is a light color, and the websafe version is hex **FF33CC**. The color can be described as light washed rose. A complement of this color would be **38.4158, 72.6232, 24.0574**, and the grayscale version is **14.7259, 15.4928, 16.8717**.

A 20% lighter version of the original color is **61.3490, 37.7159, 81.8884**, and **25.6940, 12.8181, 20.5220** is the 20% darker color. If you saturate the color by 10%, you get **48.5294, 24.1757, 40.3153**, and if you desaturate by 10%, it is **51.2313, 26.9826, 49.2219**.

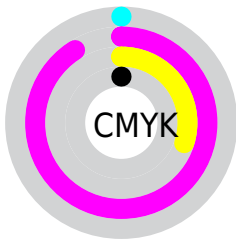
# Distribution



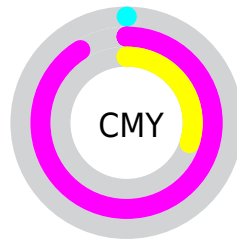
- Red (100%)
- Green (9%)
- Blue (70%)



- Red (100%)
- Yellow (9%)
- Blue (70%)



- Cyan (0%)
- Magenta (91%)
- Yellow (30%)
- Black (0%)




- Cyan (0%)
- Magenta (91%)
- Yellow (30%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 49.5823, 25.0871, 44.3485 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 49.5823, 25.0871, 44.3485 by changing the saturation by 10% instead.





 49.5823, 25.0871,  
44.3485


 49.5823, 25.0871,  
44.3485


375.5093,  
278.2714, 380.2114


 35.2981, 16.1420,  
30.6054


 88.7512, 51.7985,  
83.0500


 24.0602, 9.6247,  
20.0426


 114.3666, 70.3335,  
108.8454

 15.5032, 5.1508,  
12.2416


 144.4897, 92.8340,  
139.4953

 9.2619, 2.3360,  
6.7839

 179.4860,  
119.6843, 175.4182

 4.9709, 0.7927,  
3.2509

 219.7207,  
151.2688, 217.0328

 2.2648, 0.0000,  
1.2242

265.5593,

 0.7765, 0.0000,

187.9718, 264.7575

0.0000

317.3670,  
230.1779, 319.0108

■ 0.0000, 0.0000,  
0.0000

■ 49.5823, 25.0871,  
44.3485

■ 49.5823, 25.0871,  
44.3485

■ 48.5294, 24.1757,  
40.3153

■ 51.2313, 26.9826,  
49.2219

■ 53.5332, 30.0987,  
54.5760

■ 56.5788, 34.6153,  
60.4456

■ 60.4434, 40.6815,  
66.8602

■ 65.1924, 48.4271,  
73.8458

70.8846, 57.9682,  
81.4260

77.5736, 69.4106,  
89.6227

85.3087, 82.8517,  
98.4562

94.1358, 98.3823,  
107.9458

# Harmonies

## Analogous

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



41.6465, 25.0871, 91.6939



49.5823, 25.0871, 44.3485



49.3538, 25.0871, 14.3218

# Triad

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



49.5823, 25.0871, 44.3485



18.7219, 25.0871, 0.8401



12.2578, 25.0871, 94.1800

# Complementary

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



49.5823, 25.0871, 44.3485



38.4158, 72.6232, 24.0574

# 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.



9.1087, 25.0871, 46.4549



49.5823, 25.0871, 44.3485



12.0132, 25.0871, 3.4700

# Square

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



49.5823, 25.0871, 44.3485



29.2211, 25.0871, 0.7968



9.0349, 25.0871, 15.3203



19.1716, 25.0871, 132.0683



# Rectangle

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



49.5823, 25.0871, 44.3485



44.5203, 25.0871, 5.4239



9.0349, 25.0871, 15.3203



10.8277, 25.0871, 77.6521

# Sweetspot

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



49.5829, 25.0884, 44.3489



73.4168, 62.2755, 84.6036



23.2324, 10.3474, 95.3805



15.2458, 12.5323, 17.5222



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.



49.5829, 25.0884, 44.3489



48.5294, 24.1757, 40.3153



42.5174, 22.2622, 7.1425



18.5213, 18.1918, 21.3621



25.4297, 12.6612, 21.4451



2.5267, 1.2530, 2.3548



# Inverse Universe

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



49.5829, 25.0884, 44.3489



48.5294, 24.1757, 40.3153



48.0574, 76.4799, 74.8295



18.5213, 18.1918, 21.3621



25.4297, 12.6612, 21.4451



2.5267, 1.2530, 2.3548



# Previews

## White Background



This preview shows how the XYZ color 49.5823, 25.0871, 44.3485 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

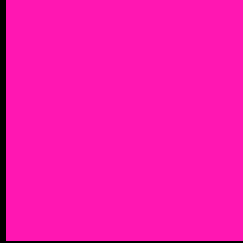
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 49.5823, 25.0871, 44.3485 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 49.5823, 25.0871, 44.3485**

## **Background**



This preview shows how black text looks on a background with the XYZ color 49.5823, 25.0871, 44.3485.



This preview shows how white text looks on a background with the XYZ color 49.5823, 25.0871,



# 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

49.5823, 25.0871, 44.3485

### Protanopia

29.2459, 25.7207, 94.6900

### Deuteranopia

25.8634, 25.3995, 39.6158



## Tritanopia

42.3984, 25.2433, 9.4753

# Trichromacy



## Original Color

49.5823, 25.0871, 44.3485



## Protanomaly

28.9588, 19.3165, 72.7232



## Deuteranomaly

30.0808, 20.6110, 40.4231



## Tritanomaly

44.1305, 24.4339, 18.0131

# Monochromacy



## Original Color

49.5823, 25.0871, 44.3485



## Achromatopsia

14.8208, 15.5926, 16.9804



## Achromatomaly

22.2018, 14.9846, 24.6438

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 49.5823, 25.0871, 44.3485 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, 23, 178)` looks like.

```
.text, #text, p{  
    color:rgb(255, 23, 178)  
}
```

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, 23, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 23, 178) }
```

## Border

The CSS property to change the border of an element to XYZ 49.5823, 25.0871, 44.3485 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, 23, 178) }
```



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

```
.border{ border-color:rgb(255, 23, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 23, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 23, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 23, 178);  
box-shadow:4px 4px 4px 4px rgb(255, 23,  
178) }
```

# Background

The CSS property to change the background color of an element to XYZ 49.5823, 25.0871, 44.3485 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 23, 178) }
```

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

```
.background{ background-color: rgb(255, 23,  
178) }
```

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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