

# Converting Colors

XYZ(45.9290, 23.4785, 25.5646)

Have a look what the booklet for  
XYZ(45.9290, 23.4785, 25.5646)  
contains.

<b>XYZ(45.9002, 23.4702, 25.4035)</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(45.9002, 23.4702,  
25.4035)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF1288
RGB	255, 18, 136
RGB Percent	100%, 7%, 53%
CMY	0.0000, 0.9292, 0.4667
CMYK	0.00, 0.93, 0.47, 0.00
HSL	330°, 100%, 54%
HSV	330°, 93%, 100%
XYZ	45.9002, 23.4702, 25.4035
YIQ	102.3150, 103.3740, 86.9420

# Conversions

## Conversions Part 2

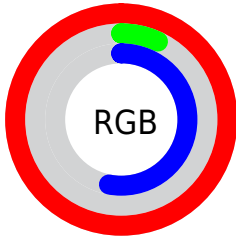
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 18, 136
Decimal	16716424
CIE <sub>Lab</sub>	55.55, 83.86, 0.24
CIE <sub>LCh</sub>	56, 83.860, 0.167
Yxy	23.4702, 0.4843, 0.2476
Android (android.graphics.Color)	4294906504 (0xFFFF1288)
YUV	102.3150, 16.6067, 133.9047
Hunter-Lab	48.4461, 84.3392, 2.8225

# Details

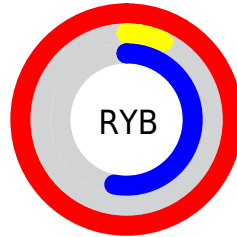
The XYZ color **45.9002, 23.4702, 25.4035** is a dark color, and the websafe version is hex **FF3399**. The color can be described as middle washed rose. A complement of this color would be **40.5287, 73.4562, 35.7261**, and the grayscale version is **12.6570, 13.3162, 14.5013**.

A 20% lighter version of the original color is **55.3756, 34.8348, 51.9493**, and **23.4585, 11.8946, 10.0763** is the 20% darker color. If you saturate the color by 10%, you get **45.0665, 22.7906, 22.0812**, and if you desaturate by 10%, it is **47.5330, 25.1913, 30.7099**.

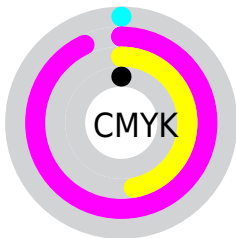
# Distribution



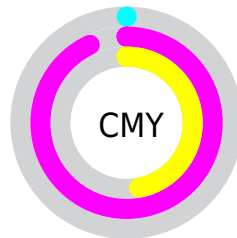
- Red (100%)
- Green (7%)
- Blue (53%)



- Red (100%)
- Yellow (7%)
- Blue (53%)



- Cyan (0%)
- Magenta (93%)
- Yellow (47%)
- Black (0%)




- Cyan (0%)
- Magenta (93%)
- Yellow (47%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 45.9002, 23.4702, 25.4035 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 45.9002, 23.4702, 25.4035 by changing the saturation by 10% instead.




 45.9002, 23.4702,  
25.4035


 45.9002, 23.4702,  
25.4035

361.1299,  
270.1309, 293.3532


 32.3714, 14.9411,  
16.1562


 83.2984, 49.1642,  
53.2833


 21.8022, 8.7780,  
9.4792


 107.8985, 67.0980,  
72.7528

 13.8274, 4.5967,  
4.9540


 136.9197, 88.9354,  
96.4668

 8.0816, 2.0126,  
2.1620

 170.7273,  
115.0608, 124.8439

 4.1995, 0.6148,  
0.6523

 209.6869,  
145.8587, 158.3025

 1.8156, 0.0000,  
0.0000

254.1635,

 0.5270, 0.0000,

181.7134, 197.2613

0.0000

304.5228,  
223.0093, 242.1386

■ 0.0000, 0.0000,  
0.0000

■ 45.9002, 23.4702,  
25.4035

■ 45.9002, 23.4702,  
25.4035

■ 45.0665, 22.7906,  
22.0812

■ 47.5330, 25.1913,  
30.7099

■ 49.8579, 28.1166,  
36.8014

■ 52.9721, 32.4350,  
43.7274

■ 56.9555, 38.3012,  
51.5311

■ 61.8777, 45.8493,  
60.2511

67.8009, 55.1986,  
69.9235

74.7815, 66.4576,  
80.5815

82.8719, 79.7259,  
92.2565

92.1205, 95.0965,  
104.9786

# Harmonies

## Analogous

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



42.1088, 23.4702, 61.2352



45.9002, 23.4702, 25.4035



42.0278, 23.4702, 7.2940

# Triad

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



45.9002, 23.4702, 25.4035



14.3561, 23.4702, 1.7912



14.4247, 23.4702, 102.6596

# Complementary

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



45.9002, 23.4702, 25.4035



40.5287, 73.4562, 35.7261

# 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.



9.9841, 23.4702, 61.7074



45.9002, 23.4702, 25.4035



9.9531, 23.4702, 7.4086

# Square

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



45.9002, 23.4702, 25.4035



22.2547, 23.4702, 0.8335



8.6105, 23.4702, 25.7072



22.3608, 23.4702, 121.1188



# Rectangle

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



45.9002, 23.4702, 25.4035



36.1115, 23.4702, 2.7911



8.6105, 23.4702, 25.7072



12.5641, 23.4702, 90.0979

# Sweetspot

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



45.9008, 23.4716, 25.4039



71.1025, 60.4970, 75.0459



28.5054, 12.9322, 95.6011



14.5965, 11.9495, 15.0992



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.



45.9008, 23.4716, 25.4039



45.0667, 22.7907, 22.0812



41.5664, 21.7378, 2.5792



18.3865, 18.1379, 20.6522



23.6236, 11.9387, 11.9343



2.3552, 1.1845, 1.4521



# Inverse Universe

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



45.9008, 23.4716, 25.4039



45.0667, 22.7907, 22.0812



54.0601, 78.8687, 106.9813



18.3865, 18.1379, 20.6522



23.6236, 11.9387, 11.9343



2.3552, 1.1845, 1.4521



# Previews

## White Background



This preview shows how the XYZ color 45.9002, 23.4702, 25.4035 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

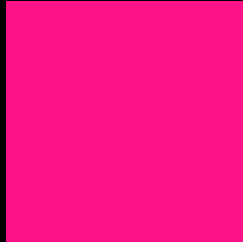
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 45.9002, 23.4702, 25.4035 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 45.9002, 23.4702, 25.4035**

## **Background**



This preview shows how black text looks on a background with the XYZ color 45.9002, 23.4702, 25.4035.



This preview shows how white text looks on a background with the XYZ color 45.9002, 23.4702,

25.4035.

# 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

45.9002, 23.4702, 25.4035

### Protanopia

24.9116, 23.9534, 54.9402

### Deuteranopia

24.1296, 23.6652, 22.6981



## Tritanopia

41.9364, 23.6330, 6.2222

# Trichromacy



## Original Color

45.9002, 23.4702, 25.4035



## Protanomaly

26.8981, 18.5375, 42.2048



## Deuteranomaly

28.2739, 19.4211, 23.0273



## Tritanomaly

42.6526, 23.0233, 11.0000

# Monochromacy



## Original Color

45.9002, 23.4702, 25.4035



## Achromatopsia

12.6291, 13.2868, 14.4694



## Achromatomaly

19.3911, 12.9905, 17.4050

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 45.9002, 23.4702, 25.4035 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, 18, 136)` looks like.

```
.text, #text, p{  
    color:rgb(255, 18, 136)  
}
```

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, 18, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 18, 136) }
```

## Border

The CSS property to change the border of an element to XYZ 45.9002, 23.4702, 25.4035 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, 18, 136) }
```



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

```
.border{ border-color:rgb(255, 18, 136) }
```

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

Here you see how a box with a 4 pixel rgb(255, 18, 136) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 18, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 18, 136);  
box-shadow:4px 4px 4px 4px rgb(255, 18,  
136) }
```

# Background

The CSS property to change the background color of an element to XYZ 45.9002, 23.4702, 25.4035 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 18, 136) }
```

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

```
.background{ background-color: rgb(255, 18,  
136) }
```

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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