

# Converting Colors

XYZ(45.8136, 26.1104, 61.8025)

Have a look what the booklet for  
XYZ(45.8136, 26.1104, 61.8025)  
contains.

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# Color

**XYZ(45.8418, 26.1679,  
61.6663)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E44CCF
RGB	228, 76, 207
RGB Percent	89%, 30%, 81%
CMY	0.1059, 0.7019, 0.1882
CMYK	0.00, 0.67, 0.09, 0.11
HSL	308°, 74%, 60%
HSV	308°, 67%, 89%
XYZ	45.8418, 26.1679, 61.6663
YIQ	136.3820, 48.5410, 72.9650

# Conversions

## Conversions Part 2

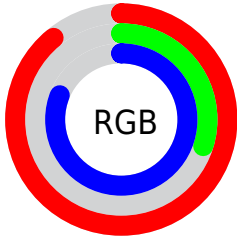
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	228, 76, 207
Decimal	14961871
CIE Lab	58.20, 72.30, -37.55
CIE LCh	58, 81.471, 332.556
Yxy	26.1679, 0.3429, 0.1958
Android (android.graphics.Color)	4293151951 (0xFFE44CCF)
YUV	136.3820, 34.8147, 80.3490
Hunter-Lab	51.1546, 70.4410, -35.6653

# Details

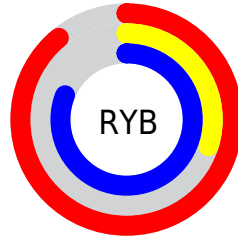
The XYZ color **45.8418, 26.1679, 61.6663** is a light color, and the websafe version is hex **CC33CC**. The color can be described as light muted magenta. A complement of this color would be **32.8828, 57.8873, 20.7516**, and the grayscale version is **23.4071, 24.6261, 26.8178**.

A 20% lighter version of the original color is **67.9540, 45.8079, 99.8680**, and **22.0297, 10.7020, 30.6104** is the 20% darker color. If you saturate the color by 10%, you get **44.1589, 23.4118, 59.2242**, and if you desaturate by 10%, it is **48.0905, 30.0422, 64.3354**.

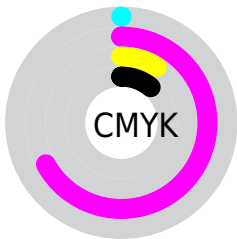
# Distribution



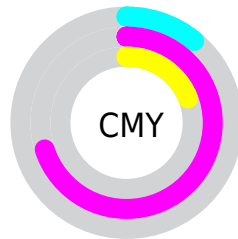
- Red (89%)
- Green (30%)
- Blue (81%)



- Red (89%)
- Yellow (30%)
- Blue (81%)



- Cyan (0%)
- Magenta (67%)
- Yellow (9%)
- Black (11%)




- Cyan (11%)
- Magenta (70%)
- Yellow (19%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 45.8418, 26.1679, 61.6663 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 45.8418, 26.1679, 61.6663 by changing the saturation by 10% instead.





 45.8418, 26.1679,  
61.6663


 45.8418, 26.1679,  
61.6663

360.8989,  
283.6053, 448.6868


 32.3251, 16.9493,  
44.3291

 83.2115, 53.5457,  
108.8100


 21.7667, 10.1983,  
30.5902


 107.7952, 72.4737,  
139.4536

 13.8012, 5.5307,  
20.0312


 136.7986, 95.4069,  
175.3696

 8.0633, 2.5619,  
12.2334

 170.5871,  
122.7297, 216.9768

 4.1876, 0.9075,  
6.7784

209.5260,  
154.8266, 264.6935

 1.8088, 0.0000,  
3.2475

253.9807,

 0.5230, 0.0000,

192.0819, 318.9384

1.2224

304.3166,  
234.8800, 380.1300

■ 0.0000, 0.0000,  
0.0000

■ 45.8418, 26.1679,  
61.6663

■ 45.8418, 26.1679,  
61.6663

■ 44.1589, 23.4118,  
59.2242

■ 48.0905, 30.0422,  
64.3354

■ 42.9772, 21.6464,  
56.9866

■ 50.9552, 35.1366,  
67.2477

■ 42.2189, 20.7157,  
54.9277

■ 54.4835, 41.5458,  
70.4195

■ 42.0158, 20.5024,  
54.2656

■ 58.7176, 49.3542,  
73.8652

■ 63.6963, 58.6391,  
77.5979

69.4553, 69.4720,  
81.6296

76.0282, 81.9200,  
85.9718

82.3494, 93.8518,  
90.2695

82.8015, 94.0327,  
92.6504

# Harmonies

## Analogous

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



36.5668, 26.1679, 103.4130



45.8418, 26.1679, 61.6663



49.1035, 26.1679, 26.1330

# Triad

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



45.8418, 26.1679, 61.6663



24.0337, 26.1679, 1.3715



12.0444, 26.1679, 68.9730

# Complementary

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



45.8418, 26.1679, 61.6663



32.8828, 57.8873, 20.7516

# 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.



10.3053, 26.1679, 30.9897



45.8418, 26.1679, 61.6663



15.9812, 26.1679, 2.8317

# Square

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



45.8418, 26.1679, 61.6663



34.7010, 26.1679, 2.3421



11.5292, 26.1679, 10.0468



17.0997, 26.1679, 109.2533



# Rectangle

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



45.8418, 26.1679, 61.6663



46.8794, 26.1679, 12.2967



11.5292, 26.1679, 10.0468



11.1237, 26.1679, 54.8906

# Sweetspot

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



45.8427, 26.1692, 61.6668



79.7689, 71.2202, 98.3117



21.4415, 13.2732, 74.8312



16.6847, 14.5183, 20.7513



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.



45.8427, 26.1692, 61.6668



56.2633, 29.1634, 75.2023



38.7272, 23.3229, 24.1968



14.9050, 14.5792, 17.6999



24.2942, 11.8519, 31.5081



1.8190, 0.8853, 2.4533



# Inverse Universe

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



45.8427, 26.1692, 61.6668



56.2633, 29.1634, 75.2023



38.1971, 60.0130, 48.7364



14.9050, 14.5792, 17.6999



24.2942, 11.8519, 31.5081



1.8190, 0.8853, 2.4533



# Previews

## White Background



This preview shows how the XYZ color 45.8418, 26.1679, 61.6663 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 45.8418, 26.1679, 61.6663 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

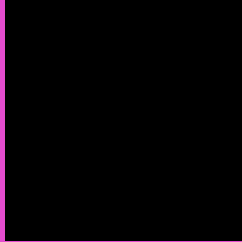
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 45.8418, 26.1679, 61.6663**

## **Background**



This preview shows how black text looks on a background with the XYZ color 45.8418, 26.1679, 61.6663.



This preview shows how white text looks on a background with the XYZ color 45.8418, 26.1679,

61.6663.

# 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

45.8418, 26.1679, 61.6663

### Protanopia

30.3338, 26.6222, 98.1476

### Deuteranopia

27.0564, 26.4895, 56.5103



## Tritanopia

36.7884, 25.9759, 18.4041

# Trichromacy



## Original Color

45.8418, 26.1679, 61.6663



## Protanomaly

31.4416, 23.3586, 83.7404



## Deuteranomaly

31.0861, 24.0788, 58.2676



## Tritanomaly

39.3934, 25.6416, 30.4768

# Monochromacy



## Original Color

45.8418, 26.1679, 61.6663



## Achromatopsia

23.4014, 24.6201, 26.8113



## Achromatomaly

28.9011, 23.0783, 37.1137

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 45.8418, 26.1679, 61.6663 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(228, 76, 207)` looks like.

```
.text, #text, p{  
    color:rgb(228, 76, 207)  
}
```

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(228, 76, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 76, 207) }
```

## Border

The CSS property to change the border of an element to XYZ 45.8418, 26.1679, 61.6663 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(228, 76, 207) }
```



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

```
.border{ border-color:rgb(228, 76, 207) }
```

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

Here you see how a box with a 4 pixel rgb(228, 76, 207) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 76, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 76, 207);  
box-shadow:4px 4px 4px 4px rgb(228, 76,  
207) }
```

# Background

The CSS property to change the background color of an element to XYZ 45.8418, 26.1679, 61.6663 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 76, 207) }
```

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

```
.background{ background-color: rgb(228, 76,  
207) }
```

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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