

# Converting Colors

XYZ(45.0211, 26.8115, 63.9143)

Have a look what the booklet for  
XYZ(45.0211, 26.8115, 63.9143)  
contains.

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# Color

**XYZ(45.0848, 26.8383,  
63.7768)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DE56D2
RGB	222, 86, 210
RGB Percent	87%, 34%, 82%
CMY	0.1294, 0.6627, 0.1765
CMYK	0.00, 0.61, 0.05, 0.13
HSL	305°, 67%, 60%
HSV	305°, 61%, 87%
XYZ	45.0848, 26.8383, 63.7768
YIQ	140.8000, 41.2520, 67.3960

# Conversions

## Conversions Part 2

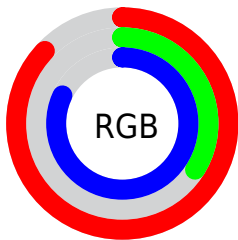
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	222, 86, 210
Decimal	14571218
CIE <sub>Lab</sub>	58.82, 67.42, -38.33
CIE <sub>LCh</sub>	59, 77.558, 330.381
Yxy	26.8383, 0.3322, 0.1978
Android (android.graphics.Color)	4292761298 (0xFFDE56D2)
YUV	140.8000, 34.1156, 71.2124
Hunter-Lab	51.8057, 64.6827, -36.7266

# Details

The XYZ color **45.0848, 26.8383, 63.7768** is a light color, and the websafe version is hex **CC66CC**. The color can be described as light muted magenta. A complement of this color would be **32.1649, 55.1038, 20.4979**, and the grayscale version is **25.0998, 26.4070, 28.7572**.

A 20% lighter version of the original color is **69.1125, 48.1249, 100.2542**, and **21.3971, 10.6007, 31.9287** is the 20% darker color. If you saturate the color by 10%, you get **43.3373, 23.7309, 61.9976**, and if you desaturate by 10%, it is **47.3875, 31.0499, 65.7562**.

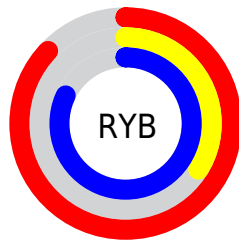
# Distribution



Red (87%)

Green (34%)

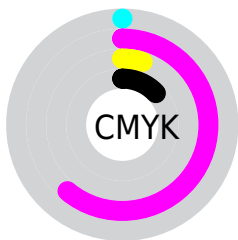
Blue (82%)



Red (87%)

Yellow (34%)

Blue (82%)

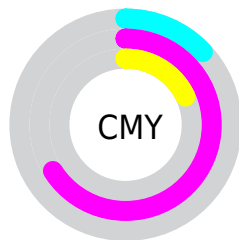


Cyan (0%)

Magenta (61%)

Yellow (5%)

Black (13%)



Cyan (13%)

Magenta (66%)


Yellow (18%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 45.0848, 26.8383, 63.7768 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 45.0848, 26.8383, 63.7768 by changing the saturation by 10% instead.





 45.0848, 26.8383,  
63.7768

 45.0848, 26.8383,  
63.7768

357.8948,  
286.8733, 456.5685


 31.7258, 17.4518,  
46.0249


 82.0839, 54.6243,  
111.8858

 21.3067, 10.5571,  
31.9167


 106.4548, 73.7926,  
143.0800

 13.4621, 5.7699,  
21.0336


 135.2269, 96.9903,  
179.5920

 7.8267, 2.7057,  
12.9571

 168.7657,  
124.6017, 221.8404

 4.0351, 0.9801,  
7.2686

207.4366,  
157.0114, 270.2437

 1.7220, 0.0000,  
3.5497

251.6048,

 0.4700, 0.0000,

194.6036, 325.2204

1.3817

301.6358,  
237.7628, 387.1892

■ 0.0000, 0.0000,  
0.1274

■ 0.0000, 0.0000,  
0.0000

■ 45.0848, 26.8383,  
63.7768

■ 45.0848, 26.8383,  
63.7768

■ 43.3373, 23.7309,  
61.9976

■ 47.3875, 31.0499,  
65.7562

■ 42.0892, 21.6181,  
60.3994


■ 50.2886, 36.4543,  
67.9496

■ 41.2782, 20.3749,  
58.9615


■ 53.8303, 43.1353,  
70.3715


■ 40.8339, 19.8135,  
57.8048


■ 58.0504, 51.1680,  
73.0344

 62.9836, 60.6220,  
75.9498

 68.6621, 71.5617,  
79.1288

 75.1162, 84.0480,  
82.5813

 79.5671, 92.5228,  
85.3812

 79.8370, 92.6308,  
86.8026

# Harmonies

## Analogous

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



35.9941, 26.8383, 102.3474



45.0848, 26.8383, 63.7768



48.6915, 26.8383, 28.8733

# Triad

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



45.0848, 26.8383, 63.7768



25.3868, 26.8383, 1.8538



12.6989, 26.8383, 64.8035

# Complementary

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



45.0848, 26.8383, 63.7768



32.1649, 55.1038, 20.4979

# 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.



11.1770, 26.8383, 29.5742



45.0848, 26.8383, 63.7768



17.2878, 26.8383, 3.2594

# Square

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



45.0848, 26.8383, 63.7768



35.7281, 26.8383, 3.1788



12.6222, 26.8383, 10.1472



17.4519, 26.8383, 103.1577



# Rectangle

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



45.0848, 26.8383, 63.7768



46.9408, 26.8383, 14.4422



12.6222, 26.8383, 10.1472



11.8546, 26.8383, 51.6885

# Sweetspot

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



45.0858, 26.8396, 63.7773



81.4697, 73.8719, 101.1900



21.4793, 14.4907, 70.7729



17.0349, 15.0410, 21.4157



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.



45.0858, 26.8396, 63.7773



58.6897, 31.3851, 84.1223



38.3859, 24.1596, 28.4962



14.2401, 13.9137, 17.0347



24.2755, 11.7772, 34.4461



1.6982, 0.8225, 2.4694



# Inverse Universe

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



45.0858, 26.8396, 63.7773



58.6897, 31.3851, 84.1223



36.7821, 56.9507, 44.8122



14.2401, 13.9137, 17.0347



24.2755, 11.7772, 34.4461



1.6982, 0.8225, 2.4694



# Previews

## White Background



This preview shows how the XYZ color 45.0848, 26.8383, 63.7768 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

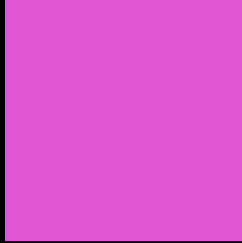
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 45.0848, 26.8383, 63.7768 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

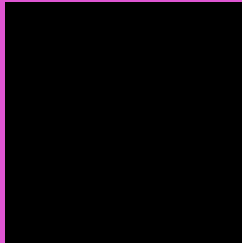
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 45.0848, 26.8383, 63.7768**

## **Background**



This preview shows how black text looks on a background with the XYZ color 45.0848, 26.8383, 63.7768.



This preview shows how white text looks on a background with the XYZ color 45.0848, 26.8383,



# 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

45.0848, 26.8383, 63.7768

### Protanopia

30.9762, 27.3754, 98.2591

### Deuteranopia

27.6664, 26.9663, 59.0052



## Tritanopia

36.1656, 26.6978, 20.6998

# Trichromacy



## Original Color

45.0848, 26.8383, 63.7768



## Protanomaly

32.1685, 24.5765, 84.7096



## Deuteranomaly

31.5202, 24.9607, 60.2833



## Tritanomaly

38.7378, 26.3687, 32.7537

# Monochromacy



## Original Color

45.0848, 26.8383, 63.7768



## Achromatopsia

25.3171, 26.6356, 29.0061



## Achromatomaly

30.2979, 24.9740, 39.3000

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 45.0848, 26.8383, 63.7768 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(222, 86, 210)` looks like.

```
.text, #text, p{  
    color:rgb(222, 86, 210)  
}
```

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(222, 86, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 86, 210) }
```

## Border

The CSS property to change the border of an element to XYZ 45.0848, 26.8383, 63.7768 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(222, 86, 210) }
```



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

```
.border{ border-color:rgb(222, 86, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 86, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 86, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 86, 210);  
box-shadow:4px 4px 4px 4px rgb(222, 86,  
210) }
```

# Background

The CSS property to change the background color of an element to XYZ 45.0848, 26.8383, 63.7768 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 86, 210) }
```

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

```
.background{ background-color: rgb(222, 86,  
210) }
```

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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