

Converting Colors

XYZ(45.7213, 33.8359, 67.0169)

Have a look what the booklet for
XYZ(45.7213, 33.8359, 67.0169)
contains.

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Color

**XYZ(45.8729, 33.9145,
67.0792)**

Conversions

Conversions Part 1

Format	Color
Hex	D081D5
RGB	208, 129, 213
RGB Percent	82%, 51%, 84%
CMY	0.1843, 0.4941, 0.1647
CMYK	0.02, 0.39, 0.00, 0.16
HSL	296°, 50%, 67%
HSV	296°, 39%, 84%
XYZ	45.8729, 33.9145, 67.0792
YIQ	162.1970, 20.1200, 42.8720

Conversions

Conversions Part 2

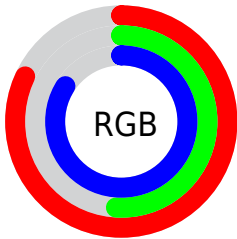
Format	Color
RYB	208, 129, 213
Decimal	13664725
CIELab	64.89, 43.52, -30.71
CIELCh	65, 53.260, 324.794
Yxy	33.9145, 0.3123, 0.2309
Android (android.graphics.Color)	4291854805 (0xFFD081D5)
YUV	162.1970, 25.0459, 40.1692
Hunter-Lab	58.2362, 38.6920, -27.5278

Details

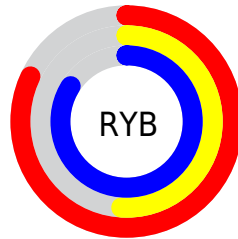
The XYZ color **45.8729, 33.9145, 67.0792** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **37.5894, 54.2427, 29.2592**, and the grayscale version is **34.3157, 36.1027, 39.3159**.

A 20% lighter version of the original color is **76.2235, 62.3470, 102.6245**, and **21.7743, 14.4518, 33.9896** is the 20% darker color. If you saturate the color by 10%, you get **42.9996, 28.6941, 66.2235**, and if you desaturate by 10%, it is **49.3361, 40.3088, 68.1314**.

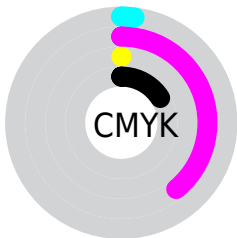
Distribution



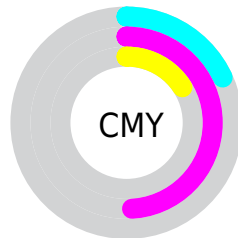
- Red (82%)
- Green (51%)
- Blue (84%)



- Red (82%)
- Yellow (51%)
- Blue (84%)



- Cyan (2%)
- Magenta (39%)
- Yellow (0%)
- Black (16%)





- Cyan (18%)
- Magenta (49%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.8729, 33.9145, 67.0792 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 45.8729, 33.9145, 67.0792 by changing the saturation by 10% instead.


 45.8729, 33.9145,
67.0792

 45.8729, 33.9145,
67.0792


361.0219,
319.7506, 468.7358


 32.3497, 22.8279,
48.6870


 83.2578, 65.8007,
116.6756

 21.7856, 14.4665,
34.0074


 107.8502, 87.3691,
148.7169

 13.8152, 8.4458,
22.6219


 136.8631,
113.2002, 186.1450

 8.0731, 4.3815,
14.1119

170.6618,
143.6785, 229.3783

 4.1939, 1.8892,
8.0589

209.6117,
179.1883, 278.8356

 1.8124, 0.5419,
4.0443

254.0781,

 0.5251, 0.0000,

220.1139, 334.9352

1.6497

304.4264,
266.8399, 398.0958

■ 0.0000, 0.0000,
0.3259

■ 0.0000, 0.0000,
0.0000

■ 45.8729, 33.9145,
67.0792

■ 45.8729, 33.9145,
67.0792

■ 42.9996, 28.6941,
66.2235

■ 49.3361, 40.3088,
68.1314

■ 40.6761, 24.5700,
65.5499

■ 53.4192, 47.9396,
69.3891

■ 38.8628, 21.4621,
65.0456

■ 58.1544, 56.8701,
70.8633

■ 37.5134, 19.2777,
64.6951

■ 63.5704, 67.1581,
72.5636

■ 36.5729, 17.9070,
64.4801

■ 69.6945, 78.8578,
74.4991

■ 35.9484, 17.1641,
64.3696

■ 75.9736, 90.8634,
76.4855

■ 35.9162, 17.1280,
64.3644

■ 76.3487, 91.0568,
76.5030

■ 76.7267, 91.2517,
76.5207

■ 77.1077, 91.4481,
76.5385

Harmonies

Analogous

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



38.8343, 33.9145, 90.1828



45.8729, 33.9145, 67.0792



49.2960, 33.9145, 40.9003

Triad

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



45.8729, 33.9145, 67.0792



33.5937, 33.9145, 8.7885



20.5987, 33.9145, 57.6596

Complementary

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



45.8729, 33.9145, 67.0792



37.5894, 54.2427, 29.2592

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.



19.6487, 33.9145, 33.2199



45.8729, 33.9145, 67.0792



26.4287, 33.9145, 10.2980

Square

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



45.8729, 33.9145, 67.0792



41.5225, 33.9145, 12.0250



21.6091, 33.9145, 17.5136



24.4468, 33.9145, 83.3990

Rectangle

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



45.8729, 33.9145, 67.0792



48.7291, 33.9145, 27.1444



21.6091, 33.9145, 17.5136



19.9585, 33.9145, 48.8163

Sweetspot

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



45.8740, 33.9160, 67.0799



85.3864, 81.6628, 105.8699



29.6732, 26.6894, 66.5389



18.0705, 17.0908, 22.5964



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.



45.8740, 33.9160, 67.0799



65.3990, 44.5219, 99.7544



43.1879, 33.0065, 45.4822



12.8766, 12.5933, 15.6896



21.9701, 10.4785, 39.3178



1.3478, 0.6437, 2.3725

Inverse Universe

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



39.5950, 31.5693, 26.5624



54.8287, 40.5914, 30.6480



39.6767, 54.9877, 44.3124



12.4529, 12.4327, 13.0594



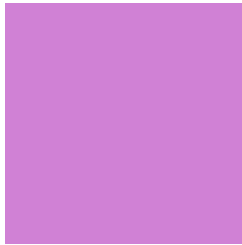
16.8176, 8.6634, 1.0778



1.0251, 0.5268, 0.1218

Previews

White Background



This preview shows how the XYZ color 45.8729, 33.9145, 67.0792 looks on a white background.

Color Contrast Check

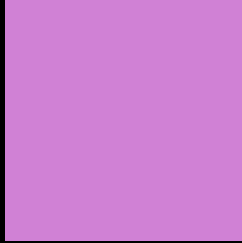
Large Text (above 18pt) WCAG AA × Fail

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 45.8729, 33.9145, 67.0792 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

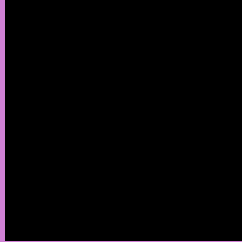
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 45.8729, 33.9145, 67.0792

Background



This preview shows how black text looks on a background with the XYZ color 45.8729, 33.9145, 67.0792.



This preview shows how white text looks on a background with the XYZ color 45.8729, 33.9145,

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

45.8729, 33.9145, 67.0792

Protanopia

35.9327, 34.2085, 82.5509

Deuteranopia

34.9606, 34.1077, 64.4153



Tritanopia

39.2422, 33.9253, 34.6169

Trichromacy



Original Color

45.8729, 33.9145, 67.0792



Protanomaly

38.3044, 33.4197, 76.3833



Deuteranomaly

38.2739, 33.6459, 65.4498



Tritanomaly

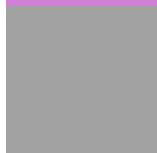
41.3121, 33.6830, 44.8815

Monochromacy



Original Color

45.8729, 33.9145, 67.0792



Achromatopsia

34.3422, 36.1307, 39.3463



Achromatomaly

37.8372, 34.7326, 48.4259

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.8729, 33.9145, 67.0792 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(208, 129, 213)` looks like.

```
.text, #text, p{  
    color:rgb(208, 129, 213)  
}
```

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(208, 129, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 129, 213) }
```

Border

The CSS property to change the border of an element to XYZ 45.8729, 33.9145, 67.0792 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(208, 129, 213) }
```


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

```
.border{ border-color:rgb(208, 129, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(208, 129, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 129, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 129, 213);  
box-shadow:4px 4px 4px 4px rgb(208, 129,  
213) }
```

Background

The CSS property to change the background color of an element to XYZ 45.8729, 33.9145, 67.0792 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 129, 213) }
```

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

```
.background{ background-color: rgb(208,  
129, 213) }
```

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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