

Converting Colors

XYZ(45.7418, 33.6523, 67.0355)

Have a look what the booklet for
XYZ(45.7418, 33.6523, 67.0355)
contains.

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Color

**XYZ(45.7418, 33.6523,
67.0355)**

Conversions

Conversions Part 1

Format	Color
Hex	D080D5
RGB	208, 128, 213
RGB Percent	82%, 50%, 84%
CMY	0.1843, 0.4980, 0.1647
CMYK	0.02, 0.40, 0.00, 0.16
HSL	296°, 50%, 67%
HSV	296°, 40%, 84%
XYZ	45.7418, 33.6523, 67.0355
YIQ	161.6100, 20.3950, 43.3950

Conversions

Conversions Part 2

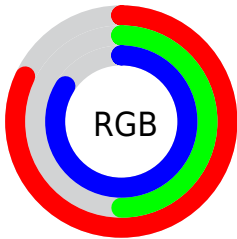
Format	Color
R_{YB}	208, 128, 213
Decimal	13664469
CIE _{Lab}	64.69, 44.04, -31.03
CIE _{LCh}	65, 53.877, 324.836
Yxy	33.6523, 0.3124, 0.2298
Android (android.graphics.Color)	4291854549 (0xFFD080D5)
YUV	161.6100, 25.3353, 40.6840
Hunter-Lab	58.0106, 39.2300, -27.9065

Details

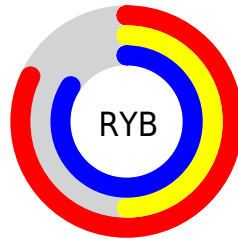
The XYZ color **45.7418, 33.6523, 67.0355** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **37.3645, 54.1344, 28.9033**, and the grayscale version is **34.0401, 35.8129, 39.0002**.

A 20% lighter version of the original color is **76.0179, 61.9359, 102.5560**, and **21.7049, 14.3129, 33.9664** is the 20% darker color. If you saturate the color by 10%, you get **42.8992, 28.4872, 66.1888**, and if you desaturate by 10%, it is **49.1725, 39.9880, 68.0781**.

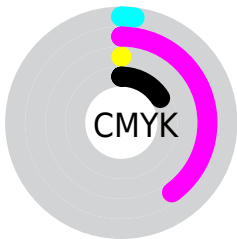
Distribution



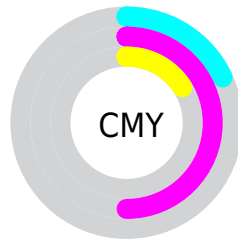
- Red (82%)
- Green (50%)
- Blue (84%)



- Red (82%)
- Yellow (50%)
- Blue (84%)



- Cyan (2%)
- Magenta (40%)
- Yellow (0%)
- Black (16%)





- Cyan (18%)
- Magenta (50%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.7418, 33.6523, 67.0355 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 45.7418, 33.6523, 67.0355 by changing the saturation by 10% instead.


 45.7418, 33.6523,
67.0355


 45.7418, 33.6523,
67.0355

360.5030,
318.5789, 468.5761


 32.2459, 22.6266,
48.6517


 83.0627, 65.3926,
116.6124

 21.7058, 14.3180,
33.9796


 107.6183, 86.8760,
148.6426

 13.7563, 8.3422,
22.6007

 136.5913,
112.6141, 186.0587

 8.0319, 4.3147,
14.0964

170.3469,
142.9913, 229.2791

 4.1674, 1.8511,
8.0482

209.2505,
178.3920, 278.7226

 1.7972, 0.5187,
4.0376

253.6675,

 0.5160, 0.0000,

219.2005, 334.8075

1.6460

303.9632,
265.8014, 397.9525

■ 0.0000, 0.0000,
0.3233

■ 0.0000, 0.0000,
0.0000

■ 45.7418, 33.6523,
67.0355

■ 45.7418, 33.6523,
67.0355

■ 42.8992, 28.4872,
66.1888

■ 49.1725, 39.9880,
68.0781

■ 40.6046, 24.4147,
65.5237

■ 53.2217, 47.5570,
69.3256

■ 38.8181, 21.3544,
65.0272

■ 57.9213, 56.4230,
70.7893

■ 37.4930, 19.2128,
64.6836

■ 63.3004, 66.6438,
72.4786

36.5739, 17.8791,
64.4747

69.3863, 78.2739,
74.4026

35.9615, 17.1547,
64.3671

75.9472, 90.8498,
76.4842

35.9561, 17.1486,
64.3662

76.3177, 91.0408,
76.5016

76.6910, 91.2333,
76.5190

77.0672, 91.4272,
76.5366

Harmonies

Analogous

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



38.6442, 33.6523, 90.4469



45.7418, 33.6523, 67.0355



49.1919, 33.6523, 40.6087

Triad

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



45.7418, 33.6523, 67.0355



33.3423, 33.6523, 8.4934



20.3029, 33.6523, 57.5894

Complementary

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



45.7418, 33.6523, 67.0355



37.3645, 54.1344, 28.9033

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.



19.3474, 33.6523, 32.9417



45.7418, 33.6523, 67.0355



26.1393, 33.6523, 9.9946

Square

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



45.7418, 33.6523, 67.0355



41.3332, 33.6523, 11.6945



21.3072, 33.6523, 17.1853



24.1655, 33.6523, 83.6269

Rectangle

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



45.7418, 33.6523, 67.0355



48.6143, 33.6523, 26.7862



21.3072, 33.6523, 17.1853



19.6604, 33.6523, 48.6590

Sweetspot

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



45.7429, 33.6538, 67.0362



85.3942, 81.6668, 105.8703



29.3928, 26.3531, 66.4888



18.0724, 17.0918, 22.5965



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.



45.7429, 33.6538, 67.0362



65.0236, 43.8058, 99.6360



43.0138, 32.7271, 45.2120



12.8775, 12.5938, 15.6896



21.9942, 10.4909, 39.3189



1.3490, 0.6443, 2.3726

Inverse Universe

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



39.3945, 31.2794, 26.1529



54.2917, 39.8133, 29.5567



39.4739, 54.8891, 44.0334



12.4526, 12.4325, 13.0575



16.8170, 8.6631, 1.0744



1.0250, 0.5268, 0.1209

Previews

White Background



This preview shows how the XYZ color 45.7418, 33.6523, 67.0355 looks on a white background.

Color Contrast Check

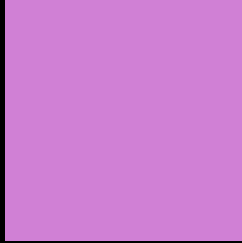
Large Text (above 18pt) WCAG AA × Fail

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 45.7418, 33.6523, 67.0355 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

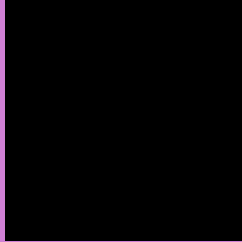
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 45.7418, 33.6523, 67.0355

Background



This preview shows how black text looks on a background with the XYZ color 45.7418, 33.6523, 67.0355.



This preview shows how white text looks on a background with the XYZ color 45.7418, 33.6523,

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

45.7418, 33.6523, 67.0355

Protanopia

35.7785, 34.1290, 82.5437

Deuteranopia

34.7836, 34.0165, 64.4071



Tritanopia

39.0118, 33.5961, 34.1343

Trichromacy



Original Color

45.7418, 33.6523, 67.0355



Protanomaly

37.9534, 33.0109, 76.3229



Deuteranomaly

37.9067, 33.2288, 65.3887



Tritanomaly

41.0727, 33.3608, 44.3189

Monochromacy



Original Color

45.7418, 33.6523, 67.0355



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 45.7418, 33.6523, 67.0355 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, 128, 213)` looks like.

```
.text, #text, p{  
    color:rgb(208, 128, 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, 128, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 128, 213) }
```

Border

The CSS property to change the border of an element to XYZ 45.7418, 33.6523, 67.0355 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, 128, 213) }
```


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

```
.border{ border-color:rgb(208, 128, 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, 128, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 128, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 128, 213);  
box-shadow:4px 4px 4px 4px rgb(208, 128,  
213) }
```

Background

The CSS property to change the background color of an element to XYZ 45.7418, 33.6523, 67.0355 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 128, 213) }
```

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

```
.background{ background-color: rgb(208,  
128, 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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