

Converting Colors

XYZ(45.5367, 31.8532, 62.5961)

Have a look what the booklet for
XYZ(45.5367, 31.8532, 62.5961)
contains.

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Color

**XYZ(45.4725, 31.7580,
62.7647)**

Conversions

Conversions Part 1

Format	Color
Hex	D676CF
RGB	214, 118, 207
RGB Percent	84%, 46%, 81%
CMY	0.1608, 0.5372, 0.1882
CMYK	0.00, 0.45, 0.03, 0.16
HSL	304°, 54%, 65%
HSV	304°, 45%, 84%
XYZ	45.4725, 31.7580, 62.7647
YIQ	156.8500, 28.6470, 48.0310

Conversions

Conversions Part 2

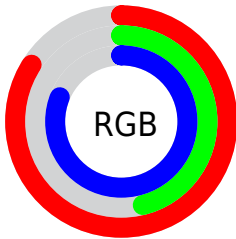
Format	Color
RYB	214, 118, 207
Decimal	14055119
CIELab	63.14, 49.93, -30.00
CIElCh	63, 58.245, 329.002
Yxy	31.7580, 0.3248, 0.2269
Android (android.graphics.Color)	4292245199 (0xFFD676CF)
YUV	156.8500, 24.7240, 50.1206
Hunter-Lab	56.3542, 45.4126, -26.5864

Details

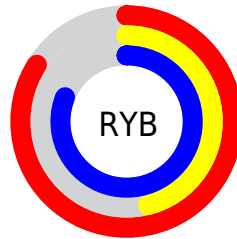
The XYZ color **45.4725, 31.7580, 62.7647** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **35.2209, 53.4266, 27.8600**, and the grayscale version is **31.8649, 33.5243, 36.5080**.

A 20% lighter version of the original color is **74.2336, 58.3671, 101.9612**, and **21.4624, 13.2157, 31.1255** is the 20% darker color. If you saturate the color by 10%, you get **43.0429, 27.2020, 61.0184**, and if you desaturate by 10%, it is **48.4777, 37.4609, 64.7128**.

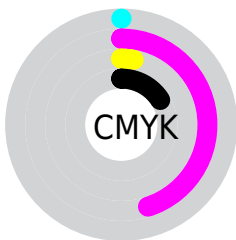
Distribution



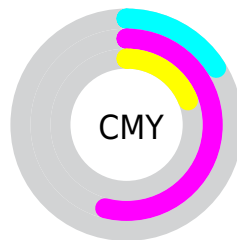
- Red (84%)
- Green (46%)
- Blue (81%)



- Red (84%)
- Yellow (46%)
- Blue (81%)



- Cyan (0%)
- Magenta (45%)
- Yellow (3%)
- Black (16%)





- Cyan (16%)
- Magenta (54%)
- Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.4725, 31.7580, 62.7647 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 45.4725, 31.7580, 62.7647 by changing the saturation by 10% instead.

 45.4725, 31.7580,
62.7647


 45.4725, 31.7580,
62.7647


359.4354,
310.0154, 452.7994

 32.0326, 21.1767,
45.2111


 82.6617, 62.4315,
110.4123

 21.5421, 13.2532,
31.2796


 107.1417, 83.2925,
141.3433

 13.6355, 7.6032,
20.5516


 136.0325,
108.3490, 177.5706

 7.9476, 3.8421,
12.6086

169.6995,
137.9851, 219.5127

 4.1130, 1.5856,
7.0320

208.5078,
172.5855, 267.5880

 1.7662, 0.3479,
3.4034

252.8231,

 0.4972, 0.0000,

212.5343, 322.2153

1.3041

303.0105,
258.2162, 383.8129

■ 0.0000, 0.0000,
0.0652

■ 0.0000, 0.0000,
0.0000

■ 45.4725, 31.7580,
62.7647

■ 45.4725, 31.7580,
62.7647

■ 43.0429, 27.2020,
61.0184

■ 48.4777, 37.4609,
64.7128

■ 41.1466, 23.7102,
59.4587


■ 52.0909, 44.3773,
66.8726


■ 39.7405, 21.1959,
58.0718


■ 56.3457, 52.5739,
69.2557


■ 38.7736, 19.5570,
56.8405


■ 61.2724, 62.1113,
71.8721


 38.1834, 18.6685,
55.7439


 66.8993, 73.0461,
74.7313

 37.9706, 18.3918,
55.2139

 73.2532, 85.4318,
77.8423

 76.1371, 90.8744,
79.8060

 76.3422, 90.9565,
80.8864

 76.5493, 91.0393,
81.9769

Harmonies

Analogous

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



38.3189, 31.7580, 89.5640



45.4725, 31.7580, 62.7647



48.4333, 31.7580, 35.3564

Triad

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



45.4725, 31.7580, 62.7647



30.4553, 31.7580, 6.5128



18.5812, 31.7580, 60.7969

Complementary

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



45.4725, 31.7580, 62.7647



35.2209, 53.4266, 27.8600

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.



17.2149, 31.7580, 33.8132



45.4725, 31.7580, 62.7647



23.2923, 31.7580, 8.5102

Square

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



45.4725, 31.7580, 62.7647



38.8686, 31.7580, 8.8168



18.7769, 31.7580, 16.4200



22.9019, 31.7580, 88.1166

Rectangle

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



45.4725, 31.7580, 62.7647



47.2909, 31.7580, 22.0726



18.7769, 31.7580, 16.4200



17.7992, 31.7580, 51.0929

Sweetspot

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



45.4736, 31.7594, 62.7654



84.9846, 80.4882, 103.6367



26.9876, 22.1285, 66.4681



17.8619, 16.5934, 22.0043



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.



45.4736, 31.7594, 62.7654



64.1113, 40.6426, 90.8183



40.5215, 29.7786, 36.6883



12.9121, 12.6163, 15.4775



22.9671, 11.1232, 33.4607



1.3972, 0.6757, 2.0811

Inverse Universe

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



45.4736, 31.7594, 62.7654



64.1113, 40.6426, 90.8183



39.0040, 54.9398, 47.7817



12.9121, 12.6163, 15.4775



22.9671, 11.1232, 33.4607



1.3972, 0.6757, 2.0811

Previews

White Background



This preview shows how the XYZ color 45.4725, 31.7580, 62.7647 looks on a white background.

Color Contrast Check

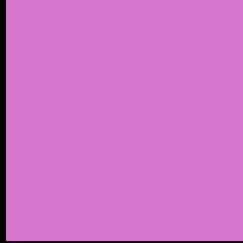
Large Text (above 18pt) WCAG AA × Fail

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 45.4725, 31.7580, 62.7647 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

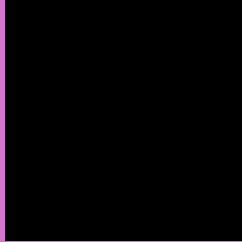
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 45.4725, 31.7580, 62.7647

Background



This preview shows how black text looks on a background with the XYZ color 45.4725, 31.7580, 62.7647.



This preview shows how white text looks on a background with the XYZ color 45.4725, 31.7580,

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

45.4725, 31.7580, 62.7647

Protanopia

34.0868, 32.3015, 81.5290

Deuteranopia

32.7646, 32.1010, 59.7276



Tritanopia

38.5873, 31.5773, 29.6524

Trichromacy



Original Color

45.4725, 31.7580, 62.7647



Protanomaly

36.5918, 31.0152, 74.5789



Deuteranomaly

36.1606, 31.1019, 60.5973



Tritanomaly

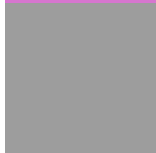
40.7668, 31.4872, 40.0054

Monochromacy



Original Color

45.4725, 31.7580, 62.7647



Achromatopsia

32.0474, 33.7164, 36.7171



Achromatomaly

35.9204, 32.2050, 44.8804

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.4725, 31.7580, 62.7647 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(214, 118, 207)` looks like.

```
.text, #text, p{  
    color:rgb(214, 118, 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(214, 118, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 118, 207) }
```

Border

The CSS property to change the border of an element to XYZ 45.4725, 31.7580, 62.7647 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(214, 118, 207) }
```


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

```
.border{ border-color:rgb(214, 118, 207) }
```

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

Here you see how a box with a 4 pixel rgb(214, 118, 207) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 118, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 118, 207);  
box-shadow:4px 4px 4px 4px rgb(214, 118,  
207) }
```

Background

The CSS property to change the background color of an element to XYZ 45.4725, 31.7580, 62.7647 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 118, 207) }
```

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

```
.background{ background-color: rgb(214,  
118, 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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