

Converting Colors

XYZ(45.6955, 35.7704, 61.7305)

Have a look what the booklet for
XYZ(45.6955, 35.7704, 61.7305)
contains.

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Color

**XYZ(45.7197, 35.8020,
61.6275)**

Conversions

Conversions Part 1

Format	Color
Hex	CF8ACC
RGB	207, 138, 204
RGB Percent	81%, 54%, 80%
CMY	0.1882, 0.4588, 0.2000
CMYK	0.00, 0.33, 0.01, 0.19
HSL	303°, 42%, 68%
HSV	303°, 33%, 81%
XYZ	45.7197, 35.8020, 61.6275
YIQ	166.1550, 19.9380, 35.1540

Conversions

Conversions Part 2

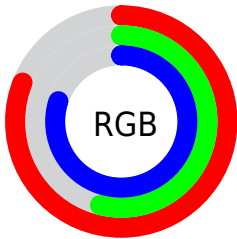
Format	Color
R _Y B	207, 138, 204
Decimal	13601484
CIE Lab	66.37, 36.73, -23.42
CIE LCh	66, 43.562, 327.472
Yxy	35.8020, 0.3194, 0.2501
Android (android.graphics.Color)	4291791564 (0xFFCF8ACC)
YUV	166.1550, 18.6576, 35.8211
Hunter-Lab	59.8348, 31.6808, -19.1821

Details

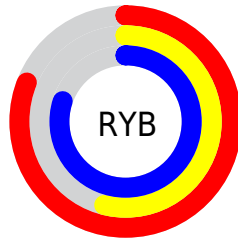
The XYZ color **45.7197, 35.8020, 61.6275** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **37.6033, 51.9532, 33.2475**, and the grayscale version is **36.2273, 38.1139, 41.5061**.

A 20% lighter version of the original color is **78.1396, 66.1793, 103.2632**, and **21.5953, 15.4369, 30.6956** is the 20% darker color. If you saturate the color by 10%, you get **42.9208, 30.3759, 60.1637**, and if you desaturate by 10%, it is **49.0874, 42.3635, 63.2847**.

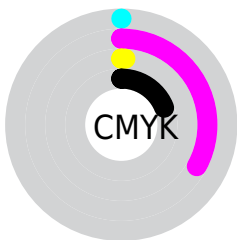
Distribution



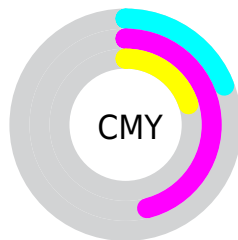
- Red (81%)
- Green (54%)
- Blue (80%)



- Red (81%)
- Yellow (54%)
- Blue (80%)



- Cyan (0%)
- Magenta (33%)
- Yellow (1%)
- Black (19%)



- Cyan (19%)
- Magenta (46%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.7197, 35.8020, 61.6275 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 45.7197, 35.8020, 61.6275 by changing the saturation by 10% instead.

45.7197, 35.8020,
61.6275

45.7197, 35.8020,
61.6275

360.4155,
328.0943, 448.5411

32.2284, 24.2813,
44.2979

83.0298, 68.7263,
108.7533

21.6924, 15.5424,
30.5659

107.5793, 90.8988,
139.3867

13.7464, 9.2010,
20.0128

136.5455,
117.3906, 175.2918

8.0250, 4.8725,
12.2202

170.2938,
148.5862, 216.8870

4.1629, 2.1726,
6.7695

209.1896,
184.8700, 264.5911

1.7947, 0.7050,
3.2421

253.5983,

0.5145, 0.0000,

226.6264, 318.8224

1.2195

303.8851,
274.2396, 379.9996

■ 0.0000, 0.0000,
0.0000

■ 45.7197, 35.8020,
61.6275

■ 45.7197, 35.8020,
61.6275

■ 42.9208, 30.3759,
60.1637

■ 49.0874, 42.3635,
63.2847

■ 40.6552, 26.0158,
58.8803

■ 53.0503, 50.1150,
65.1431

■ 38.8883, 22.6525,
57.7663

■ 57.6372, 59.1133,
67.2125

■ 37.5805, 20.2063,
56.8084

■ 62.8738, 69.4102,
69.5016

■ 36.6860, 18.5855,
55.9913

■ 68.7847, 81.0546,
72.0185

36.1493, 17.6794,
55.2965

73.0510, 89.4090,
73.9904

35.9254, 17.3428,
54.8796

73.1631, 89.4538,
74.5807

73.2758, 89.4989,
75.1742

73.3891, 89.5442,
75.7711

Harmonies

Analogous

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



40.1403, 35.8020, 80.2572



45.7197, 35.8020, 61.6275



48.1387, 35.8020, 40.5858

Triad

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



45.7197, 35.8020, 61.6275



34.5841, 35.8020, 13.0051



24.0814, 35.8020, 57.9833

Complementary

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



45.7197, 35.8020, 61.6275



37.6033, 51.9532, 33.2475

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.



22.9865, 35.8020, 37.4216



45.7197, 35.8020, 61.6275



28.5713, 35.8020, 15.0311

Square

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



45.7197, 35.8020, 61.6275



41.2180, 35.8020, 15.8848



24.5228, 35.8020, 22.7000



27.7282, 35.8020, 77.7241

Rectangle

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



45.7197, 35.8020, 61.6275



47.4293, 35.8020, 29.1732



24.5228, 35.8020, 22.7000



23.4248, 35.8020, 50.7753

Sweetspot

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



45.7208, 35.8036, 61.6283



87.2698, 84.7245, 105.4283



31.2184, 28.2853, 62.8466



18.4633, 17.7110, 22.4677



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.



45.7208, 35.8036, 61.6283



69.9752, 50.9800, 97.0590



42.0966, 34.3539, 42.5433



12.2877, 11.9998, 14.7907



22.6437, 10.9303, 34.6257



1.2731, 0.6140, 1.9731

Inverse Universe

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



45.7208, 35.8036, 61.6283



69.9752, 50.9800, 97.0590



40.5137, 53.1174, 48.5734



12.2877, 11.9998, 14.7907



22.6437, 10.9303, 34.6257



1.2731, 0.6140, 1.9731

Previews

White Background



This preview shows how the XYZ color 45.7197, 35.8020, 61.6275 looks on a white background.

Color Contrast Check

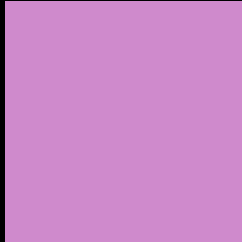
Large Text (above 18pt) WCAG AA × Fail

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 45.7197, 35.8020, 61.6275 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

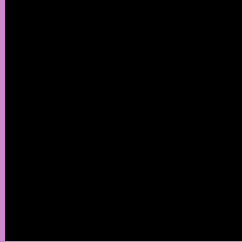
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 45.7197, 35.8020, 61.6275

Background



This preview shows how black text looks on a background with the XYZ color 45.7197, 35.8020, 61.6275.



This preview shows how white text looks on a background with the XYZ color 45.7197, 35.8020,

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

45.7197, 35.8020, 61.6275

Protanopia

36.9907, 36.2382, 72.7552

Deuteranopia

36.7527, 35.8930, 59.6345



Tritanopia

40.6927, 35.7536, 37.1041

Trichromacy



Original Color

45.7197, 35.8020, 61.6275

Protanomaly

39.3022, 35.5270, 68.4043

Deuteranomaly

39.5137, 35.5804, 60.0434

Tritanomaly

42.3397, 35.7382, 45.2241

Monochromacy



Original Color

45.7197, 35.8020, 61.6275

Achromatopsia

36.2450, 38.1326, 41.5264

Achromatomaly

39.1827, 36.8960, 48.2365

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.7197, 35.8020, 61.6275 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(207, 138, 204)` looks like.

```
.text, #text, p{  
    color:rgb(207, 138, 204)  
}
```

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(207, 138, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 138, 204) }
```

Border

The CSS property to change the border of an element to XYZ 45.7197, 35.8020, 61.6275 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(207, 138, 204) }
```


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

```
.border{ border-color:rgb(207, 138, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(207, 138, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 138, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 138, 204);  
box-shadow:4px 4px 4px 4px rgb(207, 138,  
204) }
```

Background

The CSS property to change the background color of an element to XYZ 45.7197, 35.8020, 61.6275 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 138, 204) }
```

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

```
.background{ background-color: rgb(207,  
138, 204) }
```

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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