

Converting Colors

XYZ(45.7867, 36.2166, 64.9642)

Have a look what the booklet for
XYZ(45.7867, 36.2166, 64.9642)
contains.

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Color

**XYZ(45.7885, 36.1970,
64.8950)**

Conversions

Conversions Part 1

Format	Color
Hex	CC8CD1
RGB	204, 140, 209
RGB Percent	80%, 55%, 82%
CMY	0.2000, 0.4510, 0.1804
CMYK	0.02, 0.33, 0.00, 0.18
HSL	296°, 43%, 68%
HSV	296°, 33%, 82%
XYZ	45.7885, 36.1970, 64.8950
YIQ	167.0020, 15.9950, 35.0270

Conversions

Conversions Part 2

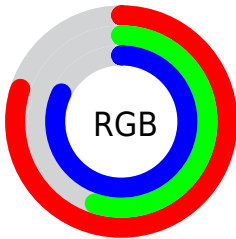
Format	Color
R_{YB}	204, 140, 209
Decimal	13405393
CIE _{Lab}	66.67, 35.62, -25.78
CIE _{LCh}	67, 43.972, 324.111
Yxy	36.1970, 0.3117, 0.2464
Android (android.graphics.Color)	4291595473 (0xFFCC8CD1)
YUV	167.0020, 20.7050, 32.4472
Hunter-Lab	60.1639, 30.5627, -21.8376

Details

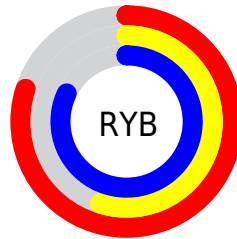
The XYZ color **45.7885, 36.1970, 64.8950** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **39.2125, 53.5151, 33.0755**, and the grayscale version is **36.6295, 38.5371, 41.9669**.

A 20% lighter version of the original color is **78.5818, 67.0636, 103.4106**, and **21.7995, 15.8674, 32.4856** is the 20% darker color. If you saturate the color by 10%, you get **42.6071, 30.4466, 63.9533**, and if you desaturate by 10%, it is **49.5563, 43.1126, 66.0318**.

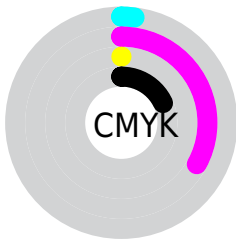
Distribution



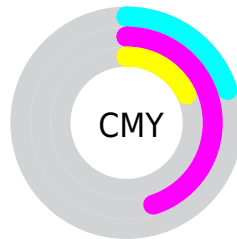
- Red (80%)
- Green (55%)
- Blue (82%)



- Red (80%)
- Yellow (55%)
- Blue (82%)



- Cyan (2%)
- Magenta (33%)
- Yellow (0%)
- Black (18%)





- Cyan (20%)
- Magenta (45%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.7885, 36.1970, 64.8950 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 45.7885, 36.1970, 64.8950 by changing the saturation by 10% instead.


 45.7885, 36.1970,
64.8950


 45.7885, 36.1970,
64.8950

360.6879,
329.8208, 460.7104


 32.2829, 24.5864,
46.9251


 83.1322, 69.3360,
113.5107

 21.7342, 15.7692,
32.6226


 107.7010, 91.6332,
144.9937

 13.7773, 9.3610,
21.5687


 136.6881,
118.2614, 181.8180

 8.0466, 4.9774,
13.3451

170.4591,
149.6049, 224.4024

 4.1768, 2.2340,
7.5331

209.3792,
186.0483, 273.1653

 1.8026, 0.7384,
3.7142

253.8138,

 0.5193, 0.0000,

227.9757, 328.5252

1.4699

304.1283,
275.7718, 390.9007

■ 0.0000, 0.0000,
0.1954

■ 0.0000, 0.0000,
0.0000

■ 45.7885, 36.1970,
64.8950

■ 45.7885, 36.1970,
64.8950

■ 42.6071, 30.4466,
63.9533

■ 49.5563, 43.1126,
66.0318

■ 39.9755, 25.7909,
63.1933


■ 53.9373, 51.2493,
67.3714


■ 37.8588, 22.1588,
62.6038


■ 58.9609, 60.6651,
68.9241


■ 36.2163, 19.4693,
62.1713


■ 64.6535, 71.4131,
70.6986


 35.0014, 17.6288,
61.8801

 71.0402, 83.5430,
72.7033


 34.1576, 16.5248,
61.7114

 74.7348, 90.2828,
73.8095

 33.7200, 16.0538,
61.6436

 75.1765, 90.5105,
73.8302

 75.6222, 90.7402,
73.8510

 76.0720, 90.9721,
73.8721

Harmonies

Analogous

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



39.8738, 36.1970, 82.9606



45.7885, 36.1970, 64.8950



48.6920, 36.1970, 43.2744

Triad

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



45.7885, 36.1970, 64.8950



35.7275, 36.1970, 13.1244



24.0393, 36.1970, 56.2699

Complementary

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



45.7885, 36.1970, 64.8950



39.2125, 53.5151, 33.0755

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.



23.2265, 36.1970, 35.7873



45.7885, 36.1970, 64.8950



29.4591, 36.1970, 14.6138

Square

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



45.7885, 36.1970, 64.8950



42.4235, 36.1970, 16.6317



25.0829, 36.1970, 21.6636



27.4650, 36.1970, 76.9646

Rectangle

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



45.7885, 36.1970, 64.8950



48.2933, 36.1970, 31.1715



25.0829, 36.1970, 21.6636



23.4714, 36.1970, 48.9911

Sweetspot

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



45.7897, 36.1986, 64.8958



86.7713, 84.4470, 106.3343



32.5658, 30.6615, 64.5240



18.3417, 17.6433, 22.6887



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.



45.7897, 36.1986, 64.8958



68.0141, 49.8875, 100.6523



43.9375, 35.6186, 47.8743



12.2227, 11.9637, 14.9087



20.8264, 9.9167, 38.0089



1.1903, 0.5678, 2.1264

Inverse Universe

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



40.7847, 34.3574, 31.2719



59.0107, 46.5942, 39.3208



40.7549, 54.0325, 45.6960



11.8430, 11.8219, 12.4490



16.2800, 8.3848, 1.1145



0.9227, 0.4738, 0.1277

Previews

White Background



This preview shows how the XYZ color 45.7885, 36.1970, 64.8950 looks on a white background.

Color Contrast Check

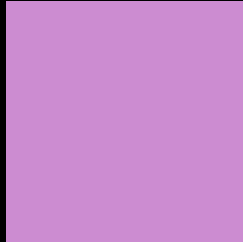
Large Text (above 18pt) WCAG AA × Fail

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 45.7885, 36.1970, 64.8950 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

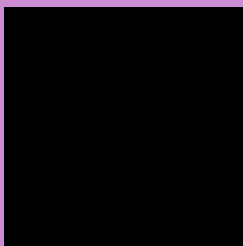
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 45.7885, 36.1970, 64.8950

Background



This preview shows how black text looks on a background with the XYZ color 45.7885, 36.1970, 64.8950.



This preview shows how white text looks on a background with the XYZ color 45.7885, 36.1970,

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

45.7885, 36.1970, 64.8950

Protanopia

37.3530, 36.3631, 75.5711

Deuteranopia

37.1279, 36.2720, 62.8019



Tritanopia

40.3653, 36.2562, 38.5889

Trichromacy



Original Color

45.7885, 36.1970, 64.8950



Protanomaly

39.6945, 35.8963, 71.8544



Deuteranomaly

39.6024, 35.7969, 63.2147



Tritanomaly

42.1342, 36.0515, 46.8574

Monochromacy



Original Color

45.7885, 36.1970, 64.8950



Achromatopsia

36.7301, 38.6429, 42.0822



Achromatomaly

39.3229, 37.1946, 49.3627

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.7885, 36.1970, 64.8950 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(204, 140, 209)` looks like.

```
.text, #text, p{  
    color:rgb(204, 140, 209)  
}
```

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(204, 140, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 140, 209) }
```

Border

The CSS property to change the border of an element to XYZ 45.7885, 36.1970, 64.8950 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(204, 140, 209) }
```


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

```
.border{ border-color:rgb(204, 140, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 140, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 140, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 140, 209);  
box-shadow:4px 4px 4px 4px rgb(204, 140,  
209) }
```

Background

The CSS property to change the background color of an element to XYZ 45.7885, 36.1970, 64.8950 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 140, 209) }
```

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

```
.background{ background-color: rgb(204,  
140, 209) }
```

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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