

Converting Colors

XYZ(45.7228, 36.6105, 51.0980)

Have a look what the booklet for
XYZ(45.7228, 36.6105, 51.0980)
contains.

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Color

**XYZ(45.8284, 36.7411,
51.1307)**

Conversions

Conversions Part 1

Format	Color
Hex	D58DBA
RGB	213, 141, 186
RGB Percent	84%, 55%, 73%
CMY	0.1647, 0.4470, 0.2706
CMYK	0.00, 0.34, 0.13, 0.16
HSL	323°, 46%, 69%
HSV	323°, 34%, 84%
XYZ	45.8284, 36.7411, 51.1307
YIQ	167.6580, 28.4670, 29.2590

Conversions

Conversions Part 2

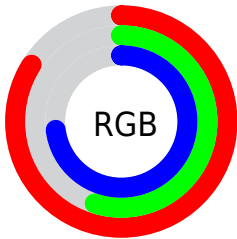
Format	Color
R _Y B	213, 141, 186
Decimal	13995450
CIE Lab	67.08, 33.96, -12.21
CIE LCh	67, 36.089, 340.226
Yxy	36.7411, 0.3428, 0.2748
Android (android.graphics.Color)	4292185530 (0xFFD58DBA)
YUV	167.6580, 9.0426, 39.7649
Hunter-Lab	60.6144, 28.8822, -7.5834

Details

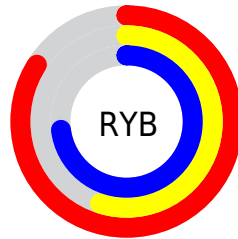
The XYZ color **45.8284, 36.7411, 51.1307** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **41.8482, 56.0795, 45.6671**, and the grayscale version is **37.0002, 38.9271, 42.3916**.

A 20% lighter version of the original color is **77.0069, 67.1507, 92.9071**, and **21.7106, 16.0063, 24.1356** is the 20% darker color. If you saturate the color by 10%, you get **42.1591, 30.7233, 45.8344**, and if you desaturate by 10%, it is **50.1514, 43.9892, 56.8799**.

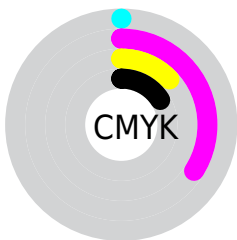
Distribution



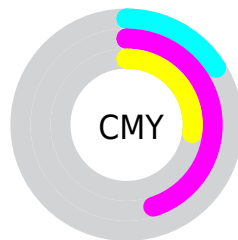
- Red (84%)
- Green (55%)
- Blue (73%)



- Red (84%)
- Yellow (55%)
- Blue (73%)



- Cyan (0%)
- Magenta (34%)
- Yellow (13%)
- Black (16%)





- Cyan (16%)
- Magenta (45%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.8284, 36.7411, 51.1307 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 45.8284, 36.7411, 51.1307 by changing the saturation by 10% instead.


 45.8284, 36.7411,
51.1307


 45.8284, 36.7411,
51.1307


360.8458,
332.1883, 407.9324


 32.3145, 25.0071,
35.9352


 83.1916, 70.1744,
93.2614

 21.7585, 16.0823,
24.0948


 107.7715, 92.6425,
121.0337

 13.7952, 9.5824,
15.1911


 136.7709,
119.4575, 153.8353

 8.0591, 5.1230,
8.8055

170.5549,
151.0036, 192.0848

 4.1849, 2.3196,
4.5195

209.4891,
187.6654, 236.2007

 1.8073, 0.7841,
1.9144

253.9388,

 0.5220, 0.0000,

229.8271, 286.6016

0.5019

304.2692,
277.8733, 343.7060

■ 0.0000, 0.0000,
0.0000

■ 45.8284, 36.7411,
51.1307

■ 45.8284, 36.7411,
51.1307

■ 42.1591, 30.7233,
45.8344

■ 50.1514, 43.9892,
56.8799

■ 39.1046, 25.8609,
40.9731

■ 55.1574, 52.5267,
63.0943

■ 36.6269, 22.0787,
36.5308


■ 60.8780, 62.4151,
69.7886


■ 34.6824, 19.2905,
32.4886


■ 67.3419, 73.7104,
76.9756


■ 33.2204, 17.3966,
28.8259

■ 74.5758, 86.4653,
84.6679


 32.1801, 16.2765,
25.5180

 78.0419, 91.6027,
91.3563

 31.6828, 15.8431,
23.6222

 79.2154, 92.0721,
97.5356

 80.4412, 92.5624,
103.9910

 81.2508, 92.8863,
108.2542

Harmonies

Analogous

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



42.1929, 36.7411, 67.8157



45.8284, 36.7411, 51.1307



46.3757, 36.7411, 34.8734

Triad

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



45.8284, 36.7411, 51.1307



33.0803, 36.7411, 17.0167



27.4648, 36.7411, 62.8810

Complementary

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



45.8284, 36.7411, 51.1307



41.8482, 56.0795, 45.6671

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.



25.5277, 36.7411, 45.6164



45.8284, 36.7411, 51.1307



28.5372, 36.7411, 21.0752

Square

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



45.8284, 36.7411, 51.1307



38.6162, 36.7411, 17.7641



25.8986, 36.7411, 30.6227



31.4699, 36.7411, 75.7372

Rectangle

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



45.8284, 36.7411, 51.1307



44.8610, 36.7411, 26.6323



25.8986, 36.7411, 30.6227



26.5703, 36.7411, 57.2383

Sweetspot

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



45.8295, 36.7428, 51.1315



85.9461, 84.1950, 98.4577



37.5578, 32.1150, 67.1707



18.1414, 17.5823, 20.7727



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.



45.8295, 36.7428, 51.1315



64.5860, 48.1637, 70.7169



42.5203, 35.4191, 33.7056



12.7464, 12.5500, 14.6045



19.4041, 9.6979, 14.6978



1.2099, 0.6008, 1.0947

Inverse Universe

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



45.8295, 36.7428, 51.1315



64.5860, 48.1637, 70.7169



45.6073, 57.5831, 65.4620



12.7464, 12.5500, 14.6045



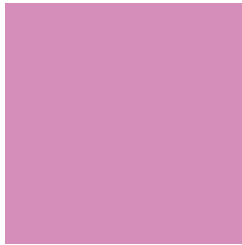
19.4041, 9.6979, 14.6978



1.2099, 0.6008, 1.0947

Previews

White Background



This preview shows how the XYZ color 45.8284, 36.7411, 51.1307 looks on a white background.

Color Contrast Check

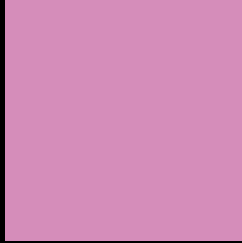
Large Text (above 18pt) WCAG AA × Fail

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 45.8284, 36.7411, 51.1307 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 45.8284, 36.7411, 51.1307

Background



This preview shows how black text looks on a background with the XYZ color 45.8284, 36.7411, 51.1307.



This preview shows how white text looks on a background with the XYZ color 45.8284, 36.7411,

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

45.8284, 36.7411, 51.1307

Protanopia

36.8632, 36.9794, 59.8384

Deuteranopia

37.7400, 36.8731, 49.9279



Tritanopia

42.9430, 36.6937, 36.7175

Trichromacy



Original Color

45.8284, 36.7411, 51.1307

Protanomaly

39.3104, 36.2814, 56.5609

Deuteranomaly

40.1297, 36.3563, 50.2498

Tritanomaly

43.9051, 36.6226, 41.8006

Monochromacy



Original Color

45.8284, 36.7411, 51.1307

Achromatopsia

37.2190, 39.1572, 42.6422

Achromatomaly

39.7319, 37.7392, 45.7477

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.8284, 36.7411, 51.1307 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(213, 141, 186)` looks like.

```
.text, #text, p{  
    color:rgb(213, 141, 186)  
}
```

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(213, 141, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 141, 186) }
```

Border

The CSS property to change the border of an element to XYZ 45.8284, 36.7411, 51.1307 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(213, 141, 186) }
```


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

```
.border{ border-color:rgb(213, 141, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(213, 141, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 141, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 141, 186);  
box-shadow:4px 4px 4px 4px rgb(213, 141,  
186) }
```

Background

The CSS property to change the background color of an element to XYZ 45.8284, 36.7411, 51.1307 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 141, 186) }
```

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

```
.background{ background-color: rgb(213,  
141, 186) }
```

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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