

Converting Colors

XYZ(45.2581, 33.3490, 62.1039)

Have a look what the booklet for
XYZ(45.2581, 33.3490, 62.1039)
contains.

XYZ(45.1872, 33.2882, 61.8012)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(45.1872, 33.2882,
61.8012)**

Conversions

Conversions Part 1

Format	Color
Hex	D27FCD
RGB	210, 127, 205
RGB Percent	82%, 50%, 80%
CMY	0.1765, 0.5019, 0.1961
CMYK	0.00, 0.40, 0.02, 0.18
HSL	304°, 48%, 66%
HSV	304°, 40%, 82%
XYZ	45.1872, 33.2882, 61.8012
YIQ	160.7090, 24.4300, 41.8540

Conversions

Conversions Part 2

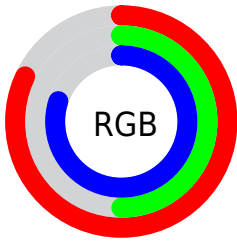
Format	Color
R _Y B	210, 127, 205
Decimal	13795277
CIE Lab	64.39, 43.71, -26.98
CIE LCh	64, 51.371, 328.314
Yxy	33.2882, 0.3221, 0.2373
Android (android.graphics.Color)	4291985357 (0xFFD27FCD)
YUV	160.7090, 21.8355, 43.2282
Hunter-Lab	57.6959, 38.8326, -23.1215

Details

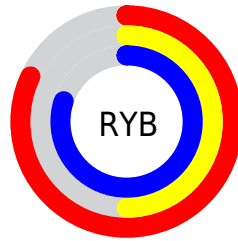
The XYZ color **45.1872, 33.2882, 61.8012** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **35.9653, 52.2724, 30.0259**, and the grayscale version is **33.6364, 35.3881, 38.5376**.

A 20% lighter version of the original color is **75.8139, 61.5277, 102.4880**, and **21.4284, 14.1365, 30.8774** is the 20% darker color. If you saturate the color by 10%, you get **42.6006, 28.3579, 60.1888**, and if you desaturate by 10%, it is **48.3424, 39.3524, 63.6099**.

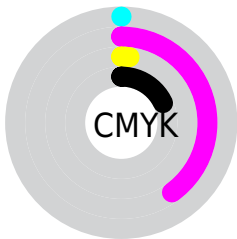
Distribution



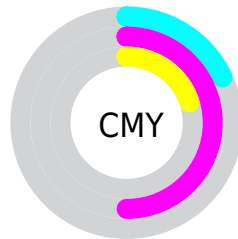
- Red (82%)
- Green (50%)
- Blue (80%)



- Red (82%)
- Yellow (50%)
- Blue (80%)



- Cyan (0%)
- Magenta (40%)
- Yellow (2%)
- Black (18%)





- Cyan (18%)
- Magenta (50%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.1872, 33.2882, 61.8012 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 45.1872, 33.2882, 61.8012 by changing the saturation by 10% instead.

 45.1872, 33.2882,
61.8012


 45.1872, 33.2882,
61.8012

358.3021,
316.9464, 449.1932


 31.8068, 22.3473,
44.4373


 82.2366, 64.8252,
109.0070

 21.3688, 14.1123,
30.6748


 106.6363, 86.1901,
139.6859

 13.5079, 8.1988,
20.0949


 135.4398,
111.7985, 175.6404

 7.8586, 4.2224,
12.2793

169.0125,
142.0348, 217.2888

 4.0556, 1.7988,
6.8093

207.7197,
177.2833, 265.0497

 1.7337, 0.4864,
3.2665

251.9269,

 0.4772, 0.0000,

217.9285, 319.3418

1.2323

301.9992,
264.3547, 380.5834

■ 0.0000, 0.0000,
0.0053

■ 0.0000, 0.0000,
0.0000

■ 45.1872, 33.2882,
61.8012

■ 45.1872, 33.2882,
61.8012

■ 42.6006, 28.3579,
60.1888

■ 48.3424, 39.3524,
63.6099

■ 40.5440, 24.4862,
58.7587

■ 52.0953, 46.6108,
65.6237

■ 38.9791, 21.5958,
57.4987

■ 56.4768, 55.1245,
67.8531

■ 37.8610, 19.5972,
56.3936

■ 61.5150, 64.9494,
70.3075

37.1367, 18.3842,
55.4258

67.2359, 76.1379,
72.9957

36.7146, 17.7736,
54.5648

73.6644, 88.7395,
75.9259

36.6968, 17.7490,
54.5246

74.4582, 90.0696,
76.9840

74.6203, 90.1345,
77.8378

74.7837, 90.1998,
78.6982

Harmonies

Analogous

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



38.7937, 33.2882, 84.5576



45.1872, 33.2882, 61.8012



47.8918, 33.2882, 37.4440

Triad

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



45.1872, 33.2882, 61.8012



32.0553, 33.2882, 9.0434



20.7980, 33.2882, 58.9158

Complementary

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



45.1872, 33.2882, 61.8012



35.9653, 52.2724, 30.0259

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.



19.5555, 33.2882, 35.0722



45.1872, 33.2882, 61.8012



25.4237, 33.2882, 11.0840

Square

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



45.1872, 33.2882, 61.8012



39.6211, 33.2882, 11.6310



21.1126, 33.2882, 18.9308



24.8089, 33.2882, 82.4888

Rectangle

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



45.1872, 33.2882, 61.8012



46.9663, 33.2882, 24.9998



21.1126, 33.2882, 18.9308



20.0727, 33.2882, 50.4399

Sweetspot

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



45.1883, 33.2897, 61.8019



85.7578, 81.8884, 104.3452



28.6071, 24.6709, 64.2279



18.1586, 17.1443, 22.2347



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.



45.1883, 33.2897, 61.8019



66.8339, 45.3934, 93.8663



40.9016, 31.5750, 39.2283



12.2788, 11.9962, 14.7438



22.3977, 10.8319, 33.3301



1.2619, 0.6095, 1.9139

Inverse Universe

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



45.1883, 33.2897, 61.8019



66.8339, 45.3934, 93.8663



39.3094, 53.6100, 47.6353



12.2788, 11.9962, 14.7438



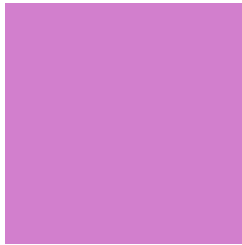
22.3977, 10.8319, 33.3301



1.2619, 0.6095, 1.9139

Previews

White Background



This preview shows how the XYZ color 45.1872, 33.2882, 61.8012 looks on a white background.

Color Contrast Check

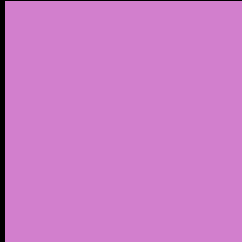
Large Text (above 18pt) WCAG AA × Fail

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 45.1872, 33.2882, 61.8012 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

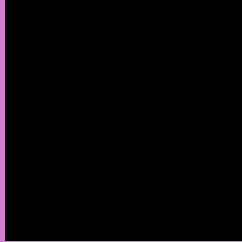
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 45.1872, 33.2882, 61.8012

Background



This preview shows how black text looks on a background with the XYZ color 45.1872, 33.2882, 61.8012.



This preview shows how white text looks on a background with the XYZ color 45.1872, 33.2882,

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

45.1872, 33.2882, 61.8012

Protanopia

34.9559, 33.5887, 76.5924

Deuteranopia

34.3754, 33.6709, 59.3309



Tritanopia

39.2860, 33.3317, 32.7968

Trichromacy



Original Color

45.1872, 33.2882, 61.8012



Protanomaly

37.3261, 32.5855, 70.6520



Deuteranomaly

37.4285, 32.8687, 60.2487



Tritanomaly

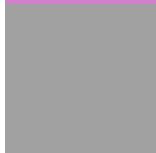
41.2790, 33.3143, 41.7908

Monochromacy



Original Color

45.1872, 33.2882, 61.8012



Achromatopsia

33.8758, 35.6400, 38.8120



Achromatomaly

37.2737, 34.2529, 46.2419

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.1872, 33.2882, 61.8012 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(210, 127, 205)` looks like.

```
.text, #text, p{  
    color:rgb(210, 127, 205)  
}
```

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(210, 127, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 127, 205) }
```

Border

The CSS property to change the border of an element to XYZ 45.1872, 33.2882, 61.8012 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(210, 127, 205) }
```


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

```
.border{ border-color:rgb(210, 127, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 127, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 127, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 127, 205);  
box-shadow:4px 4px 4px 4px rgb(210, 127,  
205) }
```

Background

The CSS property to change the background color of an element to XYZ 45.1872, 33.2882, 61.8012 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 127, 205) }
```

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

```
.background{ background-color: rgb(210,  
127, 205) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor