

Converting Colors

XYZ(45.5851, 36.7112, 46.8028)

Have a look what the booklet for
XYZ(45.5851, 36.7112, 46.8028)
contains.

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Color

**XYZ(45.5851, 36.7112,
46.8028)**

Conversions

Conversions Part 1

Format	Color
Hex	D78DB2
RGB	215, 141, 178
RGB Percent	84%, 55%, 70%
CMY	0.1569, 0.4470, 0.3020
CMYK	0.00, 0.34, 0.17, 0.16
HSL	330°, 48%, 70%
HSV	330°, 34%, 84%
XYZ	45.5851, 36.7112, 46.8028
YIQ	167.3440, 32.2270, 27.1950

Conversions

Conversions Part 2

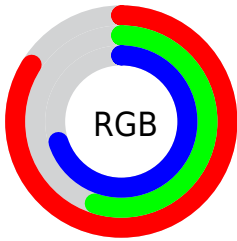
Format	Color
RYB	215, 141, 178
Decimal	14126514
CIELab	67.06, 33.36, -7.73
CIELCh	67, 34.248, 346.952
Yxy	36.7112, 0.3531, 0.2844
Android (android.graphics.Color)	4292316594 (0xFFD78DB2)
YUV	167.3440, 5.2534, 41.7943
Hunter-Lab	60.5898, 28.2635, -3.3860

Details

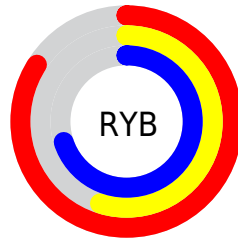
The XYZ color **45.5851, 36.7112, 46.8028** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **43.3224, 57.4790, 50.9335**, and the grayscale version is **36.8634, 38.7832, 42.2349**.

A 20% lighter version of the original color is **75.8312, 66.6804, 86.7158**, and **21.5721, 15.9964, 21.3527** is the 20% darker color. If you saturate the color by 10%, you get **41.6799, 30.5607, 40.3826**, and if you desaturate by 10%, it is **50.1924, 44.1296, 53.8752**.

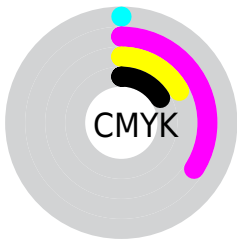
Distribution



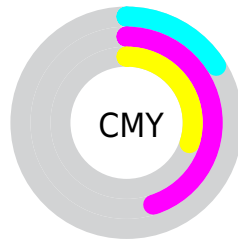
- Red (84%)
- Green (55%)
- Blue (70%)



- Red (84%)
- Yellow (55%)
- Blue (70%)



- Cyan (0%)
- Magenta (34%)
- Yellow (17%)
- Black (16%)





- Cyan (16%)
- Magenta (45%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.5851, 36.7112, 46.8028 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 45.5851, 36.7112, 46.8028 by changing the saturation by 10% instead.


 45.5851, 36.7112,
46.8028


 45.5851, 36.7112,
46.8028

359.8821,
332.0585, 390.3978


 32.1218, 24.9840,
32.5266


 82.8294, 70.1284,
86.7661

 21.6105, 16.0651,
21.4959


 107.3411, 92.5871,
113.2902

 13.6860, 9.5702,
13.2922


 136.2663,
119.3918, 144.7341

 7.9828, 5.1150,
7.4970

169.9703,
150.9269, 181.5161

 4.1357, 2.3149,
3.6917

208.8185,
187.5767, 224.0550

 1.7792, 0.7816,
1.4578

253.1763,

 0.5051, 0.0000,

229.7256, 272.7692

0.1862

303.4091,
277.7581, 328.0773

■ 0.0000, 0.0000,
0.0000

■ 45.5851, 36.7112,
46.8028

■ 45.5851, 36.7112,
46.8028

■ 41.6799, 30.5607,
40.3826

■ 50.1924, 44.1296,
53.8752

■ 38.4359, 25.6008,
34.5903

■ 55.5334, 52.8773,
61.6185

■ 35.8127, 21.7535,
29.4031

■ 61.6414, 63.0179,
70.0529

■ 33.7640, 18.9293,
24.7951

■ 68.5468, 74.6091,
79.1973

■ 32.2363, 17.0246,
20.7379

■ 76.2782, 87.7056,
89.0696

■ 31.1648, 15.9137,
17.1989

■ 79.8875, 92.4084,
98.0286

■ 30.7044, 15.5191,
15.4237

■ 81.5549, 93.0753,
106.8091

■ 81.8345, 93.1872,
108.2815

Harmonies

Analogous

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



42.7340, 36.7112, 62.9177



45.5851, 36.7112, 46.8028



45.3745, 36.7112, 32.1803

Triad

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



45.5851, 36.7112, 46.8028



32.0540, 36.7112, 18.3372



28.4942, 36.7112, 64.8053

Complementary

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



45.5851, 36.7112, 46.8028



43.3224, 57.4790, 50.9335

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.



26.1642, 36.7112, 48.9303



45.5851, 36.7112, 46.8028



28.0749, 36.7112, 23.4181

Square

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



45.5851, 36.7112, 46.8028



37.2028, 36.7112, 18.0381



26.0188, 36.7112, 33.8409



32.6806, 36.7112, 74.9237

Rectangle

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



45.5851, 36.7112, 46.8028



43.5224, 36.7112, 25.0924



26.0188, 36.7112, 33.8409



27.4868, 36.7112, 59.8088

Sweetspot

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



45.5862, 36.7129, 46.8035



85.4623, 84.0015, 95.9104



40.1523, 33.4230, 68.6255



18.0244, 17.5355, 20.1562



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.



45.5862, 36.7129, 46.8035



62.9647, 47.5151, 62.1790



42.3583, 35.4218, 29.8060



12.6796, 12.5233, 14.2530



18.4184, 9.3037, 9.5071



1.1527, 0.5779, 0.7934

Inverse Universe

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



45.5862, 36.7129, 46.8035



62.9647, 47.5151, 62.1790



47.5519, 59.1708, 73.2053



12.6796, 12.5233, 14.2530



18.4184, 9.3037, 9.5071



1.1527, 0.5779, 0.7934

Previews

White Background



This preview shows how the XYZ color 45.5851, 36.7112, 46.8028 looks on a white background.

Color Contrast Check

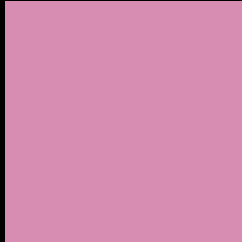
Large Text (above 18pt) WCAG AA × Fail

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 45.5851, 36.7112, 46.8028 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

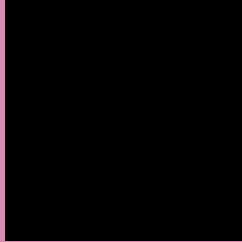
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 45.5851, 36.7112, 46.8028

Background



This preview shows how black text looks on a background with the XYZ color 45.5851, 36.7112, 46.8028.



This preview shows how white text looks on a background with the XYZ color 45.5851, 36.7112,

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

45.5851, 36.7112, 46.8028

Protanopia

36.5353, 36.9155, 55.0690

Deuteranopia

37.5916, 36.8901, 45.6967



Tritanopia

43.5667, 36.7972, 36.2588

Trichromacy



Original Color

45.5851, 36.7112, 46.8028

Protanomaly

39.1156, 36.2828, 51.9554

Deuteranomaly

40.0510, 36.4099, 45.9912

Tritanomaly

44.4057, 36.9230, 39.9084

Monochromacy



Original Color

45.5851, 36.7112, 46.8028

Achromatopsia

36.7301, 38.6429, 42.0822

Achromatomaly

39.3447, 37.5843, 43.7089

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.5851, 36.7112, 46.8028 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(215, 141, 178)` looks like.

```
.text, #text, p{  
    color:rgb(215, 141, 178)  
}
```

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(215, 141, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 141, 178) }
```

Border

The CSS property to change the border of an element to XYZ 45.5851, 36.7112, 46.8028 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(215, 141, 178) }
```


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

```
.border{ border-color:rgb(215, 141, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(215, 141, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 141, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 141, 178);  
box-shadow:4px 4px 4px 4px rgb(215, 141,  
178) }
```

Background

The CSS property to change the background color of an element to XYZ 45.5851, 36.7112, 46.8028 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 141, 178) }
```

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

```
.background{ background-color: rgb(215,  
141, 178) }
```

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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