

Converting Colors

XYZ(41.7384, 33.2277, 46.1005)

Have a look what the booklet for
XYZ(41.7384, 33.2277, 46.1005)
contains.

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Color

**XYZ(41.7378, 33.2437,
46.3363)**

Conversions

Conversions Part 1

Format	Color
Hex	CD86B2
RGB	205, 134, 178
RGB Percent	80%, 53%, 70%
CMY	0.1961, 0.4745, 0.3020
CMYK	0.00, 0.35, 0.13, 0.20
HSL	323°, 42%, 66%
HSV	323°, 35%, 80%
XYZ	41.7378, 33.2437, 46.3363
YIQ	160.2450, 28.1920, 28.7360

Conversions

Conversions Part 2

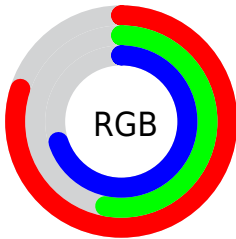
Format	Color
RYB	205, 134, 178
Decimal	13469362
CIELab	64.36, 33.67, -11.89
CIELCh	64, 35.711, 340.556
Yxy	33.2437, 0.3440, 0.2740
Android (android.graphics.Color)	4291659442 (0xFFCD86B2)
YUV	160.2450, 8.7532, 39.2501
Hunter-Lab	57.6573, 28.3147, -7.2882

Details

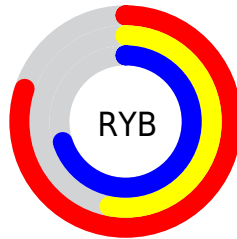
The XYZ color **41.7378, 33.2437, 46.3363** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **38.0973, 51.3051, 41.6155**, and the grayscale version is **33.4792, 35.2228, 38.3576**.

A 20% lighter version of the original color is **74.0745, 63.1670, 86.1302**, and **19.3726, 14.1512, 21.1124** is the 20% darker color. If you saturate the color by 10%, you get **38.4137, 27.8125, 41.4755**, and if you desaturate by 10%, it is **45.6575, 39.7941, 51.6159**.

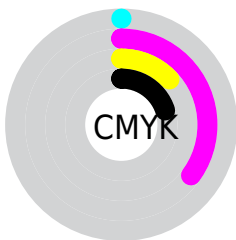
Distribution



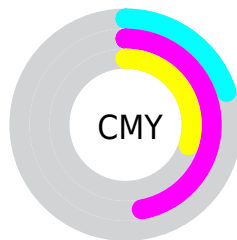
- Red (80%)
- Green (53%)
- Blue (70%)



- Red (80%)
- Yellow (53%)
- Blue (70%)



- Cyan (0%)
- Magenta (35%)
- Yellow (13%)
- Black (20%)




- Cyan (20%)
- Magenta (47%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.7378, 33.2437, 46.3363 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 41.7378, 33.2437, 46.3363 by changing the saturation by 10% instead.


 41.7378, 33.2437,
46.3363


 41.7378, 33.2437,
46.3363


344.4050,
316.7464, 388.4758


 29.0862, 22.3132,
32.1607


 77.0703, 64.7558,
86.0617

 19.2907, 14.0872,
21.2184


 100.4820, 86.1062,
112.4485

 11.9858, 8.1814,
13.0910


 128.2110,
111.6987, 143.7428

 6.8061, 4.2112,
7.3598

160.6229,
141.9177, 180.3632

 3.3864, 1.7924,
3.6063

198.0828,
177.1476, 222.7281

 1.3612, 0.4824,
1.4119

240.9563,

 0.2284, 0.0000,

217.7727, 271.2562

0.1510

289.6085,
264.1775, 326.3659

■ 0.0000, 0.0000,
0.0000

■ 41.7378, 33.2437,
46.3363

■ 41.7378, 33.2437,
46.3363

■ 38.4137, 27.8125,
41.4755

■ 45.6575, 39.7941,
51.6159

■ 35.6498, 23.4320,
37.0169

■ 50.2000, 47.5180,
57.3259

■ 33.4110, 20.0331,
32.9456


■ 55.3941, 56.4717,
63.4795


■ 31.6572, 17.5365,
29.2444


■ 61.2659, 66.7064,
70.0889


■ 30.3419, 15.8504,
25.8938


■ 67.8403, 78.2704,
77.1656


 29.4086, 14.8634,
22.8710

 74.4974, 89.9234,
84.5063

 29.0103, 14.5125,
21.3639

 75.5843, 90.3581,
90.2297

 76.7204, 90.8126,
96.2122

 77.9063, 91.2869,
102.4570

Harmonies

Analogous

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



38.3870, 33.2437, 61.8985



41.7378, 33.2437, 46.3363



42.2115, 33.2437, 31.3075

Triad

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



41.7378, 33.2437, 46.3363



29.8404, 33.2437, 15.0644



24.7383, 33.2437, 57.6153

Complementary

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



41.7378, 33.2437, 46.3363



38.0973, 51.3051, 41.6155

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.



22.9304, 33.2437, 41.5702



41.7378, 33.2437, 46.3363



25.6592, 33.2437, 18.8239

Square

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



41.7378, 33.2437, 46.3363



34.9634, 33.2437, 15.6989



23.2484, 33.2437, 27.6561



28.4542, 33.2437, 69.5243

Rectangle

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



41.7378, 33.2437, 46.3363



40.7824, 33.2437, 23.7506



23.2484, 33.2437, 27.6561



23.9063, 33.2437, 52.3719

Sweetspot

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



41.7388, 33.2452, 46.3370



85.9255, 84.1868, 98.3492



34.0499, 28.9368, 61.5488



18.1365, 17.5803, 20.7464



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.



41.7388, 33.2452, 46.3370



63.9863, 47.2773, 69.5519



38.6965, 32.0283, 30.3167



11.4997, 11.3286, 13.1658



18.1074, 9.0535, 13.5501



0.9704, 0.4816, 0.8899

Inverse Universe

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



41.7388, 33.2452, 46.3370



63.9863, 47.2773, 69.5519



41.5747, 52.6961, 59.9274



11.4997, 11.3286, 13.1658



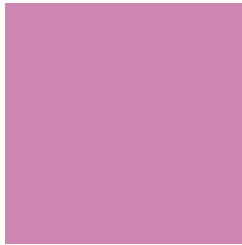
18.1074, 9.0535, 13.5501



0.9704, 0.4816, 0.8899

Previews

White Background



This preview shows how the XYZ color 41.7378, 33.2437, 46.3363 looks on a white background.

Color Contrast Check

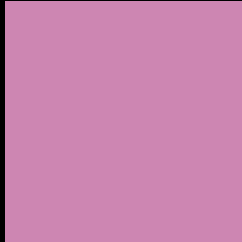
Large Text (above 18pt) WCAG AA × Fail

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 41.7378, 33.2437, 46.3363 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

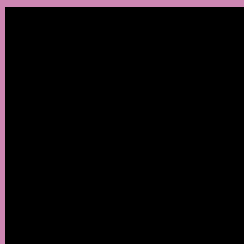
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 41.7378, 33.2437, 46.3363

Background



This preview shows how black text looks on a background with the XYZ color 41.7378, 33.2437, 46.3363.



This preview shows how white text looks on a background with the XYZ color 41.7378, 33.2437,

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

41.7378, 33.2437, 46.3363

Protanopia

33.4485, 33.5444, 54.5810

Deuteranopia

34.0704, 33.3381, 45.1966



Tritanopia

39.0948, 33.2238, 33.2065

Trichromacy



Original Color

41.7378, 33.2437, 46.3363

Protanomaly

35.7655, 32.8903, 51.4771

Deuteranomaly

36.3220, 32.8504, 45.5007

Tritanomaly

39.9194, 33.1259, 37.5477

Monochromacy



Original Color

41.7378, 33.2437, 46.3363

Achromatopsia

33.4132, 35.1533, 38.2819

Achromatomaly

35.9462, 34.1533, 41.2569

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.7378, 33.2437, 46.3363 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(205, 134, 178)` looks like.

```
.text, #text, p{  
    color:rgb(205, 134, 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(205, 134, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 134, 178) }
```

Border

The CSS property to change the border of an element to XYZ 41.7378, 33.2437, 46.3363 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(205, 134, 178) }
```


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

```
.border{ border-color:rgb(205, 134, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 134, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 134, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 134, 178);  
box-shadow:4px 4px 4px 4px rgb(205, 134,  
178) }
```

Background

The CSS property to change the background color of an element to XYZ 41.7378, 33.2437, 46.3363 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 134, 178) }
```

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

```
.background{ background-color: rgb(205,  
134, 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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