

Converting Colors

XYZ(46.5830, 33.8521, 51.2736)

Have a look what the booklet for
XYZ(46.5830, 33.8521, 51.2736)
contains.

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Color

**XYZ(46.4275, 33.7847,
51.0878)**

Conversions

Conversions Part 1

Format	Color
Hex	DE7DBB
RGB	222, 125, 187
RGB Percent	87%, 49%, 73%
CMY	0.1294, 0.5098, 0.2667
CMYK	0.00, 0.44, 0.16, 0.13
HSL	322°, 60%, 68%
HSV	322°, 44%, 87%
XYZ	46.4275, 33.7847, 51.0878
YIQ	161.0710, 37.9100, 39.8460

Conversions

Conversions Part 2

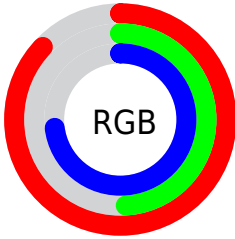
Format	Color
R _Y B	222, 125, 187
Decimal	14581179
CIE Lab	64.79, 45.54, -16.12
CIE LCh	65, 48.305, 340.511
Yxy	33.7847, 0.3536, 0.2573
Android (android.graphics.Color)	4292771259 (0xFFDE7DBB)
YUV	161.0710, 12.7830, 53.4347
Hunter-Lab	58.1246, 40.8603, -11.4249

Details

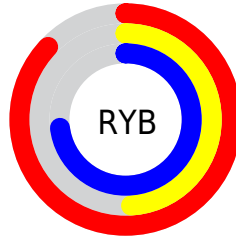
The XYZ color **46.4275, 33.7847, 51.0878** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **40.9255, 59.1417, 42.5189**, and the grayscale version is **33.8404, 35.6027, 38.7714**.

A 20% lighter version of the original color is **73.7389, 60.3736, 92.5608**, and **22.1375, 14.3553, 24.1583** is the 20% darker color. If you saturate the color by 10%, you get **43.0911, 28.4459, 45.8620**, and if you desaturate by 10%, it is **50.4418, 40.4019, 56.7763**.

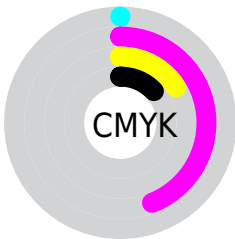
Distribution



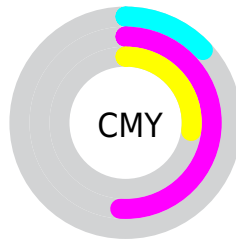
- Red (87%)
- Green (49%)
- Blue (73%)



- Red (87%)
- Yellow (49%)
- Blue (73%)



- Cyan (0%)
- Magenta (44%)
- Yellow (16%)
- Black (13%)




- Cyan (13%)
- Magenta (51%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.4275, 33.7847, 51.0878 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 46.4275, 33.7847, 51.0878 by changing the saturation by 10% instead.


 46.4275, 33.7847,
51.0878

 46.4275, 33.7847,
51.0878

363.2119,
319.1710, 407.7611


 32.7893, 22.7282,
35.9013

 84.0824, 65.5987,
93.1974

 22.1236, 14.3930,
24.0689


 108.8298, 87.1251,
120.9575

 14.0648, 8.3945,
15.1720

 138.0111,
112.9102, 153.7459

 8.2478, 4.3484,
8.7923

171.9915,
143.3385, 191.9811

 4.3070, 1.8703,
4.5110

211.1364,
178.7943, 236.0817

 1.8773, 0.5304,
1.9096

255.8112,

 0.5636, 0.0000,

219.6620, 286.4662

0.4989

306.3813,
266.3261, 343.5532

■ 0.0000, 0.0000,
0.0000

■ 46.4275, 33.7847,
51.0878

■ 46.4275, 33.7847,
51.0878

■ 43.0911, 28.4459,
45.8620

■ 50.4418, 40.4019,
56.7763

■ 40.3864, 24.2956,
41.0786

■ 55.1702, 48.3698,
62.9423

■ 38.2661, 21.2401,
36.7184


■ 60.6497, 57.7610,
69.6021


■ 36.6744, 19.1691,
32.7587


■ 66.9139, 68.6415,
76.7705


■ 35.5439, 17.9489,
29.1730

■ 73.9944, 81.0732,
84.4613

 34.9989, 17.4795,
27.0784

 80.8893, 93.0517,
92.3442

 82.0736, 93.5254,
98.5808

 83.3108, 94.0203,
105.0954

 83.9345, 94.2697,
108.3798

Harmonies

Analogous

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



41.5973, 33.7847, 74.2270



46.4275, 33.7847, 51.0878



47.1232, 33.7847, 30.2368

Triad

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



46.4275, 33.7847, 51.0878



29.7348, 33.7847, 10.5296



22.9857, 33.7847, 67.6662

Complementary

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



46.4275, 33.7847, 51.0878



40.9255, 59.1417, 42.5189

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.



20.6833, 33.7847, 44.2180



46.4275, 33.7847, 51.0878



24.1897, 33.7847, 14.6869

Square

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



46.4275, 33.7847, 51.0878



36.7790, 33.7847, 11.2175



21.0897, 33.7847, 25.4382



27.8563, 33.7847, 85.9422

Rectangle

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



46.4275, 33.7847, 51.0878



45.0544, 33.7847, 20.5762



21.0897, 33.7847, 25.4382



21.9199, 33.7847, 59.8371

Sweetspot

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



46.4285, 33.7863, 51.0885



83.5049, 79.8963, 95.8445



34.8082, 27.3089, 72.5444



17.4938, 16.4462, 20.0659



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.



46.4285, 33.7863, 51.0885



59.5298, 39.7899, 63.6717



42.1597, 32.0787, 28.6090



14.0741, 13.8473, 16.1606



20.8435, 10.4044, 16.3734



1.4871, 0.7381, 1.3581

Inverse Universe

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



46.4285, 33.7863, 51.0885



59.5298, 39.7899, 63.6717



45.8976, 61.1305, 68.7017



14.0741, 13.8473, 16.1606



20.8435, 10.4044, 16.3734



1.4871, 0.7381, 1.3581

Previews

White Background



This preview shows how the XYZ color 46.4275, 33.7847, 51.0878 looks on a white background.

Color Contrast Check

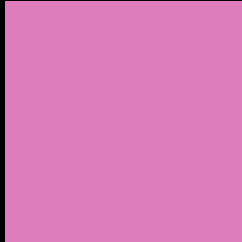
Large Text (above 18pt) WCAG AA × Fail

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 46.4275, 33.7847, 51.0878 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

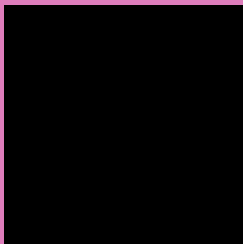
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.4275, 33.7847, 51.0878

Background



This preview shows how black text looks on a background with the XYZ color 46.4275, 33.7847, 51.0878.



This preview shows how white text looks on a background with the XYZ color 46.4275, 33.7847,

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

46.4275, 33.7847, 51.0878

Protanopia

34.7248, 34.2200, 65.0965

Deuteranopia

34.6970, 34.0657, 49.0026



Tritanopia

42.1744, 33.8155, 30.6898

Trichromacy



Original Color

46.4275, 33.7847, 51.0878



Protanomaly

37.6813, 33.2385, 59.6880



Deuteranomaly

38.0026, 33.1729, 49.7475



Tritanomaly

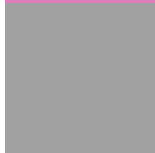
43.6749, 33.8307, 37.4858

Monochromacy



Original Color

46.4275, 33.7847, 51.0878



Achromatopsia

33.8758, 35.6400, 38.8120



Achromatomaly

37.3740, 34.1494, 42.6519

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.4275, 33.7847, 51.0878 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(222, 125, 187)` looks like.

```
.text, #text, p{  
    color:rgb(222, 125, 187)  
}
```

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(222, 125, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 125, 187) }
```

Border

The CSS property to change the border of an element to XYZ 46.4275, 33.7847, 51.0878 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(222, 125, 187) }
```


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

```
.border{ border-color:rgb(222, 125, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 125, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 125, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 125, 187);  
box-shadow:4px 4px 4px 4px rgb(222, 125,  
187) }
```

Background

The CSS property to change the background color of an element to XYZ 46.4275, 33.7847, 51.0878 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 125, 187) }
```

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

```
.background{ background-color: rgb(222,  
125, 187) }
```

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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