

Converting Colors

XYZ(46.9843, 33.4292, 58.2885)

Have a look what the booklet for
XYZ(46.9843, 33.4292, 58.2885)
contains.

XYZ(46.7835, 33.2582, 57.9865)	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(46.7835, 33.2582,
57.9865)**

Conversions

Conversions Part 1

Format	Color
Hex	DC7AC7
RGB	220, 122, 199
RGB Percent	86%, 48%, 78%
CMY	0.1373, 0.5215, 0.2196
CMYK	0.00, 0.45, 0.10, 0.14
HSL	313°, 58%, 67%
HSV	313°, 45%, 86%
XYZ	46.7835, 33.2582, 57.9865
YIQ	160.0800, 33.6910, 44.7230

Conversions

Conversions Part 2

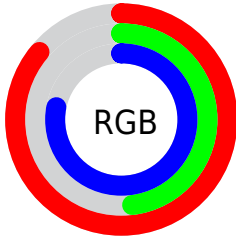
Format	Color
R _Y B	220, 122, 199
Decimal	14449351
CIE Lab	64.37, 48.36, -23.55
CIE LCh	64, 53.787, 334.039
Yxy	33.2582, 0.3389, 0.2410
Android (android.graphics.Color)	4292639431 (0xFFDC7AC7)
YUV	160.0800, 19.1876, 52.5498
Hunter-Lab	57.6699, 43.8820, -19.2465

Details

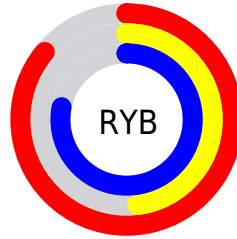
The XYZ color **46.7835, 33.2582, 57.9865** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **38.5786, 57.3082, 35.0171**, and the grayscale version is **33.3549, 35.0920, 38.2152**.

A 20% lighter version of the original color is **75.0121, 59.9243, 102.2207**, and **22.3432, 14.0871, 28.3295** is the 20% darker color. If you saturate the color by 10%, you get **43.8429, 28.2391, 54.3474**, and if you desaturate by 10%, it is **50.3545, 39.5100, 61.9200**.

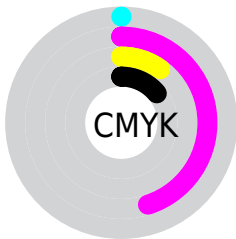
Distribution



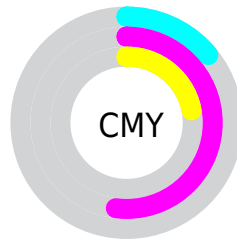
- Red (86%)
- Green (48%)
- Blue (78%)



- Red (86%)
- Yellow (48%)
- Blue (78%)



- Cyan (0%)
- Magenta (45%)
- Yellow (10%)
- Black (14%)





- Cyan (14%)
- Magenta (52%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.7835, 33.2582, 57.9865 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 46.7835, 33.2582, 57.9865 by changing the saturation by 10% instead.


 46.7835, 33.2582,
57.9865

 46.7835, 33.2582,
57.9865

364.6130,
316.8116, 434.7325


 33.0718, 22.3243,
41.3832


 84.6111, 64.7784,
103.4178

 22.3409, 14.0954,
28.2967


 109.4576, 86.1336,
133.0828

 14.2256, 8.1870,
18.3084


 138.7465,
111.7313, 167.9388

 8.3605, 4.2149,
10.9999

172.8430,
141.9559, 208.4044

 4.3802, 1.7945,
5.9526

212.1126,
177.1918, 254.8979

 1.9194, 0.4837,
2.7480

256.9206,

 0.5881, 0.0000,

217.8235, 307.8381

0.9674

307.6323,
264.2353, 367.6435

■ 0.0000, 0.0000,
0.0000

■ 46.7835, 33.2582,
57.9865

■ 46.7835, 33.2582,
57.9865

■ 43.8429, 28.2391,
54.3474

■ 50.3545, 39.5100,
61.9200

■ 41.4877, 24.3643,
50.9861

■ 54.5909, 47.0655,
66.1594

■ 39.6718, 21.5414,
47.8867

■ 59.5285, 55.9961,
70.7178

■ 38.3404, 19.6612,
45.0303

■ 65.1999, 66.3664,
75.6066

■ 37.4270, 18.5908,
42.3938

■ 71.6356, 78.2371,
80.8366

■ 37.0443, 18.2273,
41.0275

■ 78.8641, 91.6652,
86.4183

■ 79.8414, 92.5621,
90.0042

■ 80.5203, 92.8337,
93.5792

■ 81.2173, 93.1125,
97.2497

Harmonies

Analogous

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



40.5901, 33.2582, 83.6009



46.7835, 33.2582, 57.9865



48.6909, 33.2582, 33.3225

Triad

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



46.7835, 33.2582, 57.9865



30.5850, 33.2582, 8.3333



20.9121, 33.2582, 65.3176

Complementary

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



46.7835, 33.2582, 57.9865



38.5786, 57.3082, 35.0171

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.



19.0806, 33.2582, 39.2650



46.7835, 33.2582, 57.9865



24.0644, 33.2582, 11.3036

Square

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



46.7835, 33.2582, 57.9865



38.5045, 33.2582, 9.9910



20.1345, 33.2582, 20.7119



25.5935, 33.2582, 88.8978

Rectangle

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



46.7835, 33.2582, 57.9865



47.0550, 33.2582, 21.6074



20.1345, 33.2582, 20.7119



19.9804, 33.2582, 56.2502

Sweetspot

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



46.7846, 33.2597, 57.9872



84.2486, 80.1938, 99.7609



30.9662, 24.8036, 70.8663



17.6784, 16.5200, 21.0380



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.



46.7846, 33.2597, 57.9872



61.6711, 40.1499, 76.4778



42.0945, 31.3837, 33.2895



13.4887, 13.2246, 15.8345



21.7832, 10.7143, 24.3023



1.4416, 0.7063, 1.7345

Inverse Universe

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



46.7846, 33.2597, 57.9872



61.6711, 40.1499, 76.4778



42.9805, 59.0690, 58.1972



13.4887, 13.2246, 15.8345



21.7832, 10.7143, 24.3023



1.4416, 0.7063, 1.7345

Previews

White Background



This preview shows how the XYZ color 46.7835, 33.2582, 57.9865 looks on a white background.

Color Contrast Check

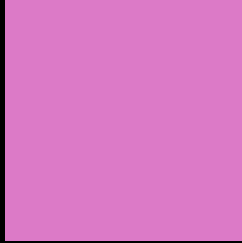
Large Text (above 18pt) WCAG AA × Fail

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 46.7835, 33.2582, 57.9865 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

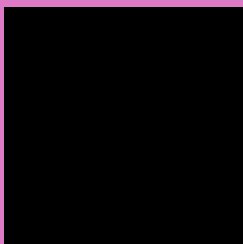
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.7835, 33.2582, 57.9865

Background



This preview shows how black text looks on a background with the XYZ color 46.7835, 33.2582, 57.9865.



This preview shows how white text looks on a background with the XYZ color 46.7835, 33.2582,

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

46.7835, 33.2582, 57.9865

Protanopia

34.8666, 33.5898, 74.4579

Deuteranopia

34.1537, 33.4050, 55.0998



Tritanopia

41.2907, 33.3600, 30.6484

Trichromacy



Original Color

46.7835, 33.2582, 57.9865



Protanomaly

37.5365, 32.3080, 67.8760



Deuteranomaly

37.6548, 32.6332, 55.9440



Tritanomaly

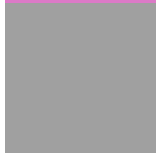
43.0024, 33.2445, 39.2723

Monochromacy



Original Color

46.7835, 33.2582, 57.9865



Achromatopsia

33.4132, 35.1533, 38.2819



Achromatomaly

37.2103, 33.5588, 44.5607

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.7835, 33.2582, 57.9865 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(220, 122, 199)` looks like.

```
.text, #text, p{  
    color:rgb(220, 122, 199)  
}
```

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(220, 122, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 122, 199) }
```

Border

The CSS property to change the border of an element to XYZ 46.7835, 33.2582, 57.9865 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(220, 122, 199) }
```


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

```
.border{ border-color:rgb(220, 122, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 122, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 122, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 122, 199);  
box-shadow:4px 4px 4px 4px rgb(220, 122,  
199) }
```

Background

The CSS property to change the background color of an element to XYZ 46.7835, 33.2582, 57.9865 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 122, 199) }
```

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

```
.background{ background-color: rgb(220,  
122, 199) }
```

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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