

Converting Colors

XYZ(46.3500, 33.1553, 80.3379)

Have a look what the booklet for
XYZ(46.3500, 33.1553, 80.3379)
contains.

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Color

**XYZ(46.2562, 33.0500,
80.2852)**

Conversions

Conversions Part 1

Format	Color
Hex	CA7DE8
RGB	202, 125, 232
RGB Percent	79%, 49%, 91%
CMY	0.2078, 0.5098, 0.0902
CMYK	0.13, 0.46, 0.00, 0.09
HSL	283°, 70%, 70%
HSV	283°, 46%, 91%
XYZ	46.2562, 33.0500, 80.2852
YIQ	160.2210, 11.5450, 49.6010

Conversions

Conversions Part 2

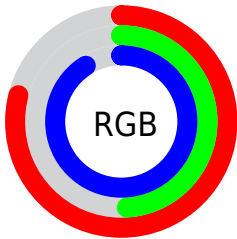
Format	Color
R _{YB}	202, 125, 232
Decimal	13270504
CIE _{Lab}	64.20, 47.60, -42.41
CIE _{LCh}	64, 63.747, 318.299
Yxy	33.0500, 0.2898, 0.2071
Android (android.graphics.Color)	4291460584 (0xFFCA7DE8)
YUV	160.2210, 35.3870, 36.6402
Hunter-Lab	57.4891, 43.0165, -42.5578

Details

The XYZ color **46.2562, 33.0500, 80.2852** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **46.0769, 66.1632, 29.7457**, and the grayscale version is **33.3548, 35.0918, 38.2150**.

A 20% lighter version of the original color is **75.4101, 60.7202, 102.3534**, and **22.0731, 14.0107, 42.6152** is the 20% darker color. If you saturate the color by 10%, you get **41.9321, 26.9590, 79.3379**, and if you desaturate by 10%, it is **51.3427, 40.5537, 81.4660**.

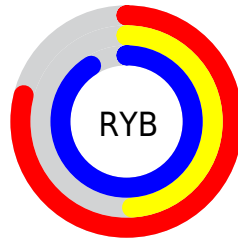
Distribution



Red (79%)

Green (49%)

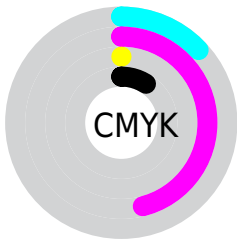
Blue (91%)



Red (79%)

Yellow (49%)

Blue (91%)

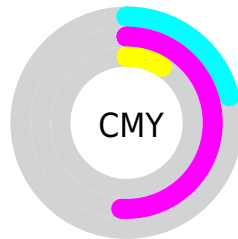


Cyan (13%)

Magenta (46%)

Yellow (0%)

Black (9%)



Cyan (21%)


Magenta (51%)


Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.2562, 33.0500, 80.2852 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 46.2562, 33.0500, 80.2852 by changing the saturation by 10% instead.


 46.2562, 33.0500,
80.2852


 46.2562, 33.0500,
80.2852

362.5364,
315.8750, 515.6255


 32.6535, 22.1648,
59.4255


 83.8278, 64.4536,
135.5817

 22.0191, 13.9780,
42.5335


 108.5275, 85.7407,
170.8555

 13.9876, 8.1054,
29.1906


 137.6568,
111.2639, 211.7712

 8.1937, 4.1624,
18.9782


171.5812,
141.4076, 258.7472

 4.2720, 1.7648,
11.4779

210.6660,
176.5561, 312.2021

 1.8571, 0.4651,
6.2710

255.2766,

 0.5517, 0.0000,

217.0940, 372.5544

2.9391

305.7782,
263.4054, 440.2227

■ 0.0000, 0.0000,
1.0636

■ 0.0000, 0.0000,
0.0000

■ 46.2562, 33.0500,
80.2852

■ 46.2562, 33.0500,
80.2852

■ 41.9321, 26.9590,
79.3379

■ 51.3427, 40.5537,
81.4660

■ 38.3176, 22.1791,
78.6058


■ 57.2326, 49.5538,
82.8928


■ 35.3579, 18.6018,
78.0713


■ 63.9683, 60.1327,
84.5797


■ 32.9884, 16.0985,
77.7130


■ 71.5877, 72.3651,
86.5392


 31.1284, 14.5098,
77.5044


 80.1266, 86.3210,
88.7829

 30.4923, 14.0368,
77.4466

 86.6114, 96.0522,
90.3194

 88.8721, 97.2177,
90.4252

 91.2129, 98.4244,
90.5348

 91.5656, 98.6062,
90.5513

Harmonies

Analogous

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



37.1914, 33.0500, 106.9366



46.2562, 33.0500, 80.2852



51.6874, 33.0500, 47.0517

Triad

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



46.2562, 33.0500, 80.2852



35.0706, 33.0500, 5.9408



17.6341, 33.0500, 53.9834

Complementary

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



46.2562, 33.0500, 80.2852



46.0769, 66.1632, 29.7457

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.



17.2841, 33.0500, 26.8071



46.2562, 33.0500, 80.2852



26.2665, 33.0500, 6.3982

Square

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



46.2562, 33.0500, 80.2852



44.4495, 33.0500, 10.1496



20.1426, 33.0500, 11.9933



21.2128, 33.0500, 87.4022

Rectangle

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



46.2562, 33.0500, 80.2852



51.9374, 33.0500, 29.2693



20.1426, 33.0500, 11.9933



17.1641, 33.0500, 43.6584

Sweetspot

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



46.2574, 33.0514, 80.2859



81.1128, 77.4505, 105.2821



34.7983, 33.7359, 81.0220



16.9440, 15.9130, 22.4284



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.



46.2574, 33.0514, 80.2859



52.3761, 33.9745, 98.4049



52.0992, 36.4187, 64.4872



14.5806, 14.4015, 18.1556



17.0567, 7.8589, 43.0011



1.3498, 0.6268, 3.1818

Inverse Universe

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



46.5297, 34.1909, 35.1588



53.1810, 35.8000, 34.7105



42.6750, 64.2179, 38.2407



14.5422, 14.4341, 15.7899



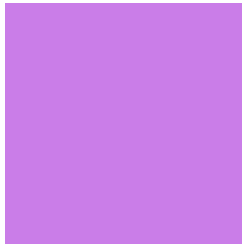
19.0518, 9.7549, 3.9016



1.4466, 0.7363, 0.4921

Previews

White Background



This preview shows how the XYZ color 46.2562, 33.0500, 80.2852 looks on a white background.

Color Contrast Check

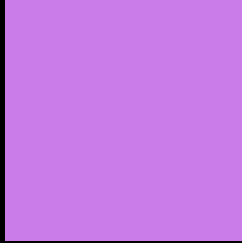
Large Text (above 18pt) WCAG AA × Fail

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 46.2562, 33.0500, 80.2852 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

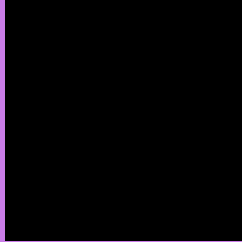
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.2562, 33.0500, 80.2852

Background



This preview shows how black text looks on a background with the XYZ color 46.2562, 33.0500, 80.2852.

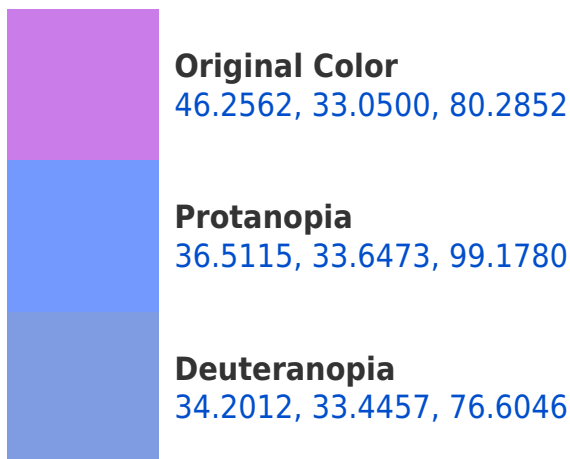


This preview shows how white text looks on a background with the XYZ color 46.2562, 33.0500,

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





Tritanopia

36.8904, 32.9252, 34.9827

Trichromacy



Original Color

46.2562, 33.0500, 80.2852



Protanomaly

38.6436, 32.5634, 92.2443



Deuteranomaly

37.3033, 32.4180, 77.6900



Tritanomaly

39.4958, 32.4551, 48.4388

Monochromacy



Original Color

46.2562, 33.0500, 80.2852



Achromatopsia

33.4132, 35.1533, 38.2819



Achromatomaly

36.9758, 33.5266, 50.9768

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.2562, 33.0500, 80.2852 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(202, 125, 232)` looks like.

```
.text, #text, p{  
    color:rgb(202, 125, 232)  
}
```

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(202, 125, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 125, 232) }
```

Border

The CSS property to change the border of an element to XYZ 46.2562, 33.0500, 80.2852 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(202, 125, 232) }
```


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

```
.border{ border-color:rgb(202, 125, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 125, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 125, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 125, 232);  
box-shadow:4px 4px 4px 4px rgb(202, 125,  
232) }
```

Background

The CSS property to change the background color of an element to XYZ 46.2562, 33.0500, 80.2852 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 125, 232) }
```

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

```
.background{ background-color: rgb(202,  
125, 232) }
```

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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