

Converting Colors

XYZ(45.8733, 33.5452, 66.1132)

Have a look what the booklet for
XYZ(45.8733, 33.5452, 66.1132)
contains.

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Color

**XYZ(46.0514, 33.6338,
66.3522)**

Conversions

Conversions Part 1

Format	Color
Hex	D27FD4
RGB	210, 127, 212
RGB Percent	82%, 50%, 83%
CMY	0.1765, 0.5019, 0.1686
CMYK	0.01, 0.40, 0.00, 0.17
HSL	299°, 50%, 66%
HSV	299°, 40%, 83%
XYZ	46.0514, 33.6338, 66.3522
YIQ	161.5070, 22.1830, 44.0310

Conversions

Conversions Part 2

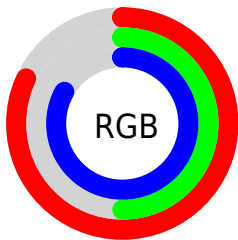
Format	Color
R _Y B	210, 127, 212
Decimal	13795284
CIE Lab	64.67, 44.99, -30.47
CIE LCh	65, 54.340, 325.888
Yxy	33.6338, 0.3153, 0.2303
Android (android.graphics.Color)	4291985364 (0xFFD27FD4)
YUV	161.5070, 24.8930, 42.5284
Hunter-Lab	57.9947, 40.2496, -27.2380

Details

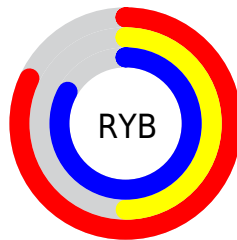
The XYZ color **46.0514, 33.6338, 66.3522** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **36.4286, 53.2872, 28.4457**, and the grayscale version is **33.9936, 35.7639, 38.9469**.

A 20% lighter version of the original color is **75.8139, 61.5277, 102.4880**, and **21.9283, 14.3365, 33.5098** is the 20% darker color. If you saturate the color by 10%, you get **43.4547, 28.6501, 65.5276**, and if you desaturate by 10%, it is **49.2268, 39.7727, 67.3703**.

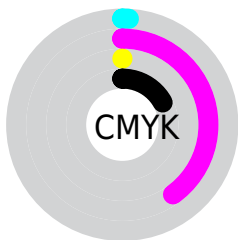
Distribution



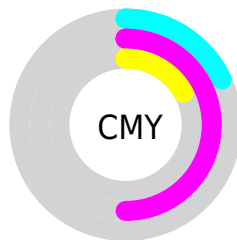
- Red (82%)
- Green (50%)
- Blue (83%)



- Red (82%)
- Yellow (50%)
- Blue (83%)



- Cyan (1%)
- Magenta (40%)
- Yellow (0%)
- Black (17%)





- Cyan (18%)
- Magenta (50%)
- Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.0514, 33.6338, 66.3522 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 46.0514, 33.6338, 66.3522 by changing the saturation by 10% instead.


 46.0514, 33.6338,
66.3522


 46.0514, 33.6338,
66.3522

361.7277,
318.4961, 466.0740


 32.4912, 22.6124,
48.1001


 83.5233, 65.3638,
115.6235

 21.8943, 14.3076,
33.5456


 108.1657, 86.8412,
147.4798

 13.8954, 8.3349,
22.2702


 137.2329,
112.5727, 184.7078

 8.1292, 4.3100,
13.8554

171.0902,
142.9428, 227.7262

 4.2302, 1.8484,
7.8825

210.1030,
178.3357, 276.9535

 1.8332, 0.5171,
3.9332

254.6366,

 0.5375, 0.0000,

219.1360, 332.8082

1.5888

305.0564,
265.7280, 395.7088

■ 0.0000, 0.0000,
0.2828

■ 0.0000, 0.0000,
0.0000

■ 46.0514, 33.6338,
66.3522

■ 46.0514, 33.6338,
66.3522

■ 43.4547, 28.6501,
65.5276

■ 49.2268, 39.7727,
67.3703

■ 41.3969, 24.7443,
64.8822


■ 53.0108, 47.1290,
68.5907


■ 39.8386, 21.8368,
64.4031


■ 57.4352, 55.7654,
70.0245


■ 38.7334, 19.8349,
64.0749


■ 62.5288, 65.7394,
71.6812


 38.0264, 18.6287,
63.8794

 68.3183, 77.1048,
73.5698

 37.6199, 18.0210,
63.7835

 74.8293, 89.9125,
75.6988

 75.2273, 90.4933,
75.7899

 75.3726, 90.5683,
75.7967

 75.5184, 90.6434,
75.8036

Harmonies

Analogous

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



38.9683, 33.6338, 90.3995



46.0514, 33.6338, 66.3522



49.3679, 33.6338, 39.7862

Triad

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



46.0514, 33.6338, 66.3522



33.0546, 33.6338, 8.3254



20.2914, 33.6338, 58.7408

Complementary

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



46.0514, 33.6338, 66.3522



36.4286, 53.2872, 28.4457

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.



19.2282, 33.6338, 33.6292



46.0514, 33.6338, 66.3522



25.8605, 33.6338, 9.9886

Square

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



46.0514, 33.6338, 66.3522



41.1311, 33.6338, 11.3397



21.0955, 33.6338, 17.4389



24.2780, 33.6338, 84.8938

Rectangle

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



46.0514, 33.6338, 66.3522



48.6579, 33.6338, 26.0829



21.0955, 33.6338, 17.4389



19.6112, 33.6338, 49.6737

Sweetspot

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



46.0525, 33.6353, 66.3529



85.7890, 81.8703, 105.8887



28.5979, 25.1880, 65.6424



18.1660, 17.1400, 22.6009



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.



46.0525, 33.6353, 66.3529



66.5716, 44.6038, 99.7084



42.2203, 32.1686, 43.1830



12.9228, 12.6171, 15.6918



23.2372, 11.1317, 39.3771



1.4109, 0.6762, 2.3755

Inverse Universe

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



38.7043, 30.7621, 24.6679



53.9798, 39.6885, 27.9145



39.2413, 54.3775, 44.8269



12.4350, 12.4255, 12.9649



16.7839, 8.6499, 0.9004



1.0166, 0.5234, 0.0767

Previews

White Background



This preview shows how the XYZ color 46.0514, 33.6338, 66.3522 looks on a white background.

Color Contrast Check

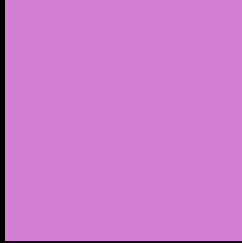
Large Text (above 18pt) WCAG AA × Fail

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 46.0514, 33.6338, 66.3522 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

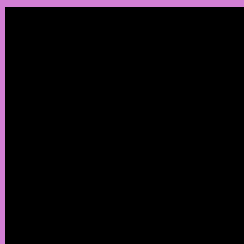
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.0514, 33.6338, 66.3522

Background



This preview shows how black text looks on a background with the XYZ color 46.0514, 33.6338, 66.3522.

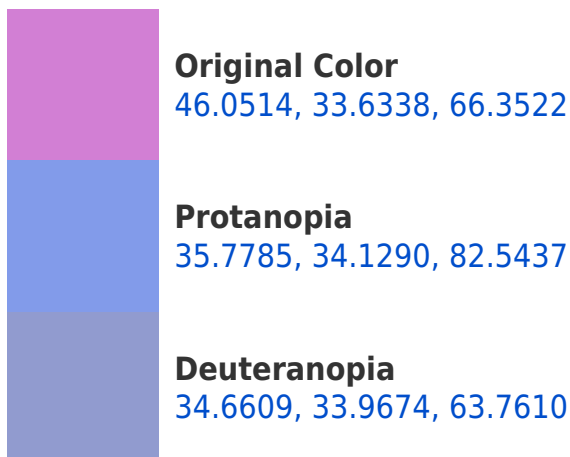


This preview shows how white text looks on a background with the XYZ color 46.0514, 33.6338,

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

39.3211, 33.5471, 33.6809

Trichromacy



Original Color

46.0514, 33.6338, 66.3522



Protanomaly

38.1509, 33.1127, 76.3321



Deuteranomaly

37.9962, 33.2893, 64.7445



Tritanomaly

41.3836, 33.3242, 43.7862

Monochromacy



Original Color

46.0514, 33.6338, 66.3522



Achromatopsia

34.3422, 36.1307, 39.3463



Achromatomaly

37.5761, 34.3739, 47.8344

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.0514, 33.6338, 66.3522 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(210, 127, 212)` looks like.

```
.text, #text, p{  
    color:rgb(210, 127, 212)  
}
```

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(210, 127, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 127, 212) }
```

Border

The CSS property to change the border of an element to XYZ 46.0514, 33.6338, 66.3522 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(210, 127, 212) }
```


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

```
.border{ border-color:rgb(210, 127, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 127, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 127, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 127, 212);  
box-shadow:4px 4px 4px 4px rgb(210, 127,  
212) }
```

Background

The CSS property to change the background color of an element to XYZ 46.0514, 33.6338, 66.3522 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 127, 212) }
```

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

```
.background{ background-color: rgb(210,  
127, 212) }
```

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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