

Converting Colors

XYZ(46.0450, 34.7322, 66.6685)

Have a look what the booklet for
XYZ(46.0450, 34.7322, 66.6685)
contains.

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Color

**XYZ(46.0033, 34.7939,
66.5786)**

Conversions

Conversions Part 1

Format	Color
Hex	CF85D4
RGB	207, 133, 212
RGB Percent	81%, 52%, 83%
CMY	0.1882, 0.4784, 0.1686
CMYK	0.02, 0.37, 0.00, 0.17
HSL	296°, 48%, 68%
HSV	296°, 37%, 83%
XYZ	46.0033, 34.7939, 66.5786
YIQ	164.1320, 18.7450, 40.2570

Conversions

Conversions Part 2

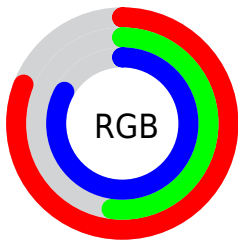
Format	Color
R _Y B	207, 133, 212
Decimal	13600212
CIE Lab	65.59, 40.90, -29.09
CIE LCh	66, 50.188, 324.582
Yxy	34.7939, 0.3121, 0.2361
Android (android.graphics.Color)	4291790292 (0xFFCF85D4)
YUV	164.1320, 23.5989, 37.5952
Hunter-Lab	58.9864, 35.9856, -25.6309

Details

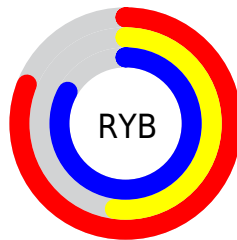
The XYZ color **46.0033, 34.7939, 66.5786** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **38.2595, 54.1845, 30.6341**, and the grayscale version is **35.2354, 37.0703, 40.3696**.

A 20% lighter version of the original color is **77.0603, 64.0206, 102.9034**, and **21.7907, 14.8985, 33.6255** is the 20% darker color. If you saturate the color by 10%, you get **43.0156, 29.3719, 65.6900**, and if you desaturate by 10%, it is **49.5822, 41.3920, 67.6640**.

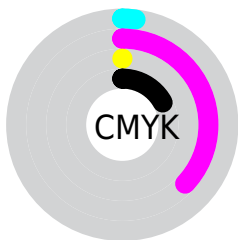
Distribution



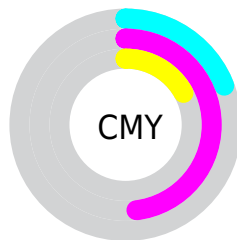
- Red (81%)
- Green (52%)
- Blue (83%)



- Red (81%)
- Yellow (52%)
- Blue (83%)



- Cyan (2%)
- Magenta (37%)
- Yellow (0%)
- Black (17%)




- Cyan (19%)
- Magenta (48%)
- Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.0033, 34.7939, 66.5786 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 46.0033, 34.7939, 66.5786 by changing the saturation by 10% instead.


 46.0033, 34.7939,
66.5786


 46.0033, 34.7939,
66.5786

361.5376,
323.6577, 466.9039


 32.4531, 23.5042,
48.2828


 83.4518, 67.1664,
115.9513

 21.8650, 14.9662,
33.6893


 108.0807, 89.0179,
147.8653

 13.8738, 8.7957,
22.3796


 137.1333,
115.1588, 185.1557

 8.1141, 4.6082,
13.9351

170.9748,
145.9734, 228.2412

 4.2204, 2.0192,
7.9373

209.9706,
181.8462, 277.5402

 1.8276, 0.6186,
3.9677

254.4861,

 0.5342, 0.0000,

223.1616, 333.4713

1.6076

304.8867,
270.3040, 396.4530

■ 0.0000, 0.0000,
0.2962

■ 0.0000, 0.0000,
0.0000

■ 46.0033, 34.7939,
66.5786

■ 46.0033, 34.7939,
66.5786

■ 43.0156, 29.3719,
65.6900

■ 49.5822, 41.3920,
67.6640

■ 40.5803, 25.0506,
64.9843


■ 53.7813, 49.2266,
68.9550


■ 38.6590, 21.7529,
64.4490


■ 58.6319, 58.3596,
70.4621


■ 37.2075, 19.3898,
64.0694


■ 64.1622, 68.8470,
72.1949


 36.1736, 17.8573,
63.8281


 70.3986, 80.7419,
74.1622


 35.4871, 17.0150,
63.7017

 75.6832, 90.7284,
75.8113

 35.3268, 16.8388,
63.6761

 76.0789, 90.9324,
75.8298

 76.4779, 91.1381,
75.8484

 76.8802, 91.3454,
75.8673

Harmonies

Analogous

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



39.3172, 34.7939, 88.0170



46.0033, 34.7939, 66.5786



49.2636, 34.7939, 41.8437

Triad

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



46.0033, 34.7939, 66.5786



34.4255, 34.7939, 10.1569



21.7937, 34.7939, 57.3809

Complementary

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



46.0033, 34.7939, 66.5786



38.2595, 54.1845, 30.6341

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.



20.8828, 34.7939, 34.1836



46.0033, 34.7939, 66.5786



27.5233, 34.7939, 11.6800

Square

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



46.0033, 34.7939, 66.5786



41.9734, 34.7939, 13.5158



22.8218, 34.7939, 18.9088



25.5250, 34.7939, 81.4704

Rectangle

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



46.0033, 34.7939, 66.5786



48.7530, 34.7939, 28.5650



22.8218, 34.7939, 18.9088



21.1733, 34.7939, 49.0384

Sweetspot

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



46.0044, 34.7954, 66.5793



86.0953, 83.0557, 106.1014



30.6848, 27.9952, 66.0742



18.2106, 17.3679, 22.6425



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.



46.0044, 34.7954, 66.5793



66.0832, 45.9579, 99.9955



43.5525, 33.9786, 46.2611



12.8718, 12.5908, 15.6894



21.8411, 10.4120, 39.3117



1.3413, 0.6404, 2.3722

Inverse Universe

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



40.1275, 32.6086, 28.2254



55.9614, 42.2120, 33.0131



40.2142, 54.8730, 45.1459



12.4548, 12.4334, 13.0693



16.8213, 8.6648, 1.0968



1.0260, 0.5272, 0.1265

Previews

White Background



This preview shows how the XYZ color 46.0033, 34.7939, 66.5786 looks on a white background.

Color Contrast Check

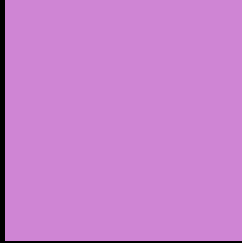
Large Text (above 18pt) WCAG AA × Fail

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 46.0033, 34.7939, 66.5786 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 46.0033, 34.7939, 66.5786

Background



This preview shows how black text looks on a background with the XYZ color 46.0033, 34.7939, 66.5786.



This preview shows how white text looks on a background with the XYZ color 46.0033, 34.7939,

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

46.0033, 34.7939, 66.5786

Protanopia

36.6341, 35.1177, 80.4489

Deuteranopia

35.8366, 35.0576, 64.5525



Tritanopia

39.6793, 34.7932, 36.0769

Trichromacy



Original Color

46.0033, 34.7939, 66.5786



Protanomaly

38.9447, 34.2430, 75.0780



Deuteranomaly

38.6761, 34.3293, 64.9094



Tritanomaly

41.7185, 34.7409, 45.5812

Monochromacy



Original Color

46.0033, 34.7939, 66.5786



Achromatopsia

35.2861, 37.1238, 40.4278



Achromatomaly

38.5541, 35.8220, 48.5984

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.0033, 34.7939, 66.5786 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(207, 133, 212)` looks like.

```
.text, #text, p{  
    color:rgb(207, 133, 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(207, 133, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 133, 212) }
```

Border

The CSS property to change the border of an element to XYZ 46.0033, 34.7939, 66.5786 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(207, 133, 212) }
```


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

```
.border{ border-color:rgb(207, 133, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(207, 133, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 133, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 133, 212);  
box-shadow:4px 4px 4px 4px rgb(207, 133,  
212) }
```

Background

The CSS property to change the background color of an element to XYZ 46.0033, 34.7939, 66.5786 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 133, 212) }
```

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

```
.background{ background-color: rgb(207,  
133, 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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