

Converting Colors

XYZ(46.4536, 34.0821, 82.4247)

Have a look what the booklet for
XYZ(46.4536, 34.0821, 82.4247)
contains.

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Color

**XYZ(46.5312, 34.1055,
82.7278)**

Conversions

Conversions Part 1

Format	Color
Hex	C782EB
RGB	199, 130, 235
RGB Percent	78%, 51%, 92%
CMY	0.2196, 0.4902, 0.0784
CMYK	0.15, 0.45, 0.00, 0.08
HSL	279°, 72%, 72%
HSV	279°, 45%, 92%
XYZ	46.5312, 34.1055, 82.7278
YIQ	162.6010, 7.4190, 47.2830

Conversions

Conversions Part 2

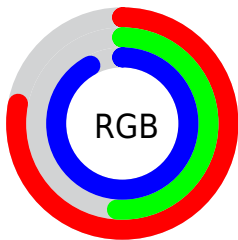
Format	Color
R _Y B	199, 130, 235
Decimal	13075179
CIE Lab	65.05, 44.73, -42.76
CIE LCh	65, 61.884, 316.288
Yxy	34.1055, 0.2848, 0.2088
Android (android.graphics.Color)	4291265259 (0xFFC782EB)
YUV	162.6010, 35.6927, 31.9219
Hunter-Lab	58.3999, 40.0233, -43.1087

Details

The XYZ color **46.5312, 34.1055, 82.7278** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **49.4644, 69.1361, 31.8580**, and the grayscale version is **34.4608, 36.2554, 39.4822**.

A 20% lighter version of the original color is **76.4305, 62.7610, 102.6935**, and **22.1888, 14.5431, 44.2854** is the 20% darker color. If you saturate the color by 10%, you get **41.6737, 27.4797, 81.7055**, and if you desaturate by 10%, it is **52.2181, 42.2199, 83.9949**.

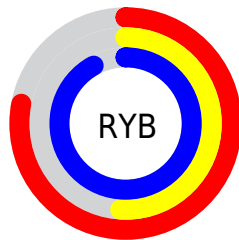
Distribution



Red (78%)

Green (51%)

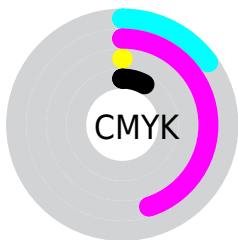
Blue (92%)



Red (78%)

Yellow (51%)

Blue (92%)

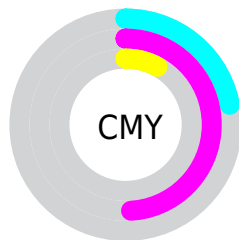


Cyan (15%)

Magenta (45%)

Yellow (0%)

Black (8%)



Cyan (22%)

Magenta (49%)

Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.5312, 34.1055, 82.7278 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 46.5312, 34.1055, 82.7278 by changing the saturation by 10% instead.


 46.5312, 34.1055,
82.7278


 46.5312, 34.1055,
82.7278


363.6204,
320.6022, 524.0261


 32.8716, 22.9747,
61.4263


 84.2364, 66.0977,
139.0400

 22.1869, 14.5748,
44.1365


 109.0128, 87.7278,
174.8878

 14.1116, 8.5215,
30.4399


 138.2254,
113.6265, 216.4214

 8.2806, 4.4304,
19.9178

172.2397,
144.1782, 264.0594

 4.3283, 1.9171,
12.1518

211.4210,
179.7672, 318.2203

 1.8895, 0.5586,
6.7234

256.1346,

 0.5707, 0.0000,

220.7779, 379.3227

3.2139

306.7460,
267.5948, 447.7852

■ 0.0000, 0.0000,
1.2049

■ 0.0000, 0.0000,
0.0000

■ 46.5312, 34.1055,
82.7278

■ 46.5312, 34.1055,
82.7278

■ 41.6737, 27.4797,
81.7055

■ 52.2181, 42.2199,
83.9949

■ 37.5909, 22.2388,
80.9091


■ 58.7769, 51.9087,
85.5193


■ 34.2268, 18.2726,
80.3208


■ 66.2516, 63.2562,
87.3156


■ 31.5151, 15.4511,
79.9191


■ 74.6817, 76.3390,
89.3966

 29.3752, 13.6155,
79.6776

 84.1044, 91.2293,
91.7740

 28.4040, 12.9105,
79.5927

 89.2349, 97.3551,
92.6860

 91.9955, 98.7782,
92.8152

Harmonies

Analogous

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



37.4920, 34.1055, 107.4771



46.5312, 34.1055, 82.7278



52.1983, 34.1055, 50.1008

Triad

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



46.5312, 34.1055, 82.7278



36.6737, 34.1055, 6.8682



18.5327, 34.1055, 52.7628

Complementary

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



46.5312, 34.1055, 82.7278



49.4644, 69.1361, 31.8580

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.



18.3949, 34.1055, 26.6248



46.5312, 34.1055, 82.7278



27.8206, 34.1055, 7.0562

Square

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



46.5312, 34.1055, 82.7278



45.8377, 34.1055, 11.6704



21.4903, 34.1055, 12.4106



21.9094, 34.1055, 85.4323

Rectangle

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



46.5312, 34.1055, 82.7278



52.7322, 34.1055, 31.9891



21.4903, 34.1055, 12.4106



18.1307, 34.1055, 42.8054

Sweetspot

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



46.5324, 34.1069, 82.7286



81.3130, 78.5507, 105.4839



37.9755, 38.2912, 83.9872



16.9476, 16.1110, 22.4664



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.



46.5324, 34.1069, 82.7286



50.3995, 33.3920, 98.3967



55.0636, 38.7563, 71.7699



15.1843, 15.0403, 19.0250



15.9502, 7.2585, 44.3033



1.3549, 0.6228, 3.4837

Inverse Universe

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



49.1275, 36.3818, 40.5106



54.3834, 36.7514, 39.5917



44.0842, 66.2308, 37.5540



15.2786, 15.1393, 16.7525



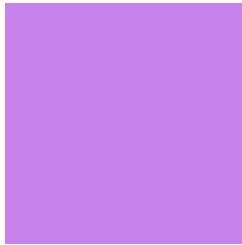
19.9393, 10.1784, 5.4817



1.6094, 0.8167, 0.6606

Previews

White Background



This preview shows how the XYZ color 46.5312, 34.1055, 82.7278 looks on a white background.

Color Contrast Check

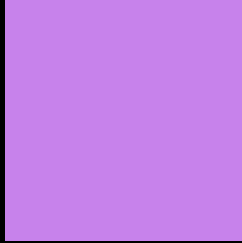
Large Text (above 18pt) WCAG AA × Fail

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 46.5312, 34.1055, 82.7278 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 46.5312, 34.1055, 82.7278

Background



This preview shows how black text looks on a background with the XYZ color 46.5312, 34.1055, 82.7278.

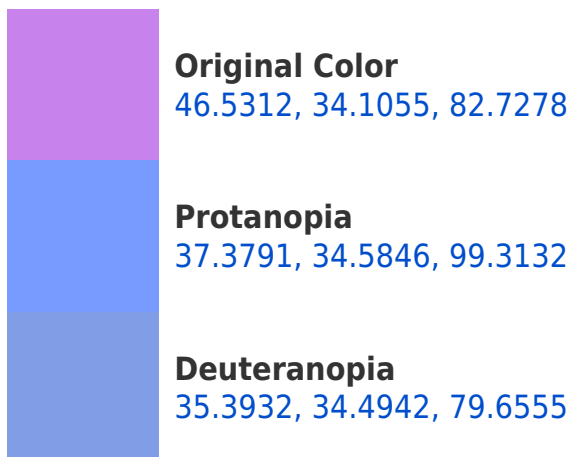


This preview shows how white text looks on a background with the XYZ color 46.5312, 34.1055,

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

37.1852, 33.9354, 37.3912

Trichromacy



Original Color

46.5312, 34.1055, 82.7278

Protanomaly

39.4349, 33.6310, 93.2199

Deuteranomaly

38.3256, 33.5637, 80.8024

Tritanomaly

39.9804, 33.7140, 51.4140

Monochromacy



Original Color

46.5312, 34.1055, 82.7278

Achromatopsia

34.8123, 36.6253, 39.8849

Achromatomaly

38.1564, 35.0374, 52.8960

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.5312, 34.1055, 82.7278 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(199, 130, 235)` looks like.

```
.text, #text, p{  
    color:rgb(199, 130, 235)  
}
```

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(199, 130, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 130, 235) }
```

Border

The CSS property to change the border of an element to XYZ 46.5312, 34.1055, 82.7278 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(199, 130, 235) }
```


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

```
.border{ border-color:rgb(199, 130, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 130, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 130, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 130, 235);  
box-shadow:4px 4px 4px 4px rgb(199, 130,  
235) }
```

Background

The CSS property to change the background color of an element to XYZ 46.5312, 34.1055, 82.7278 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 130, 235) }
```

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

```
.background{ background-color: rgb(199,  
130, 235) }
```

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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