

Converting Colors

XYZ(46.0942, 34.0666, 82.0690)

Have a look what the booklet for
XYZ(46.0942, 34.0666, 82.0690)
contains.

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Color

**XYZ(45.9935, 34.0434,
81.9888)**

Conversions

Conversions Part 1

Format	Color
Hex	C583EA
RGB	197, 131, 234
RGB Percent	77%, 51%, 92%
CMY	0.2274, 0.4863, 0.0824
CMYK	0.16, 0.44, 0.00, 0.08
HSL	278°, 71%, 72%
HSV	278°, 44%, 92%
XYZ	45.9935, 34.0434, 81.9888
YIQ	162.4760, 6.2730, 46.0250

Conversions

Conversions Part 2

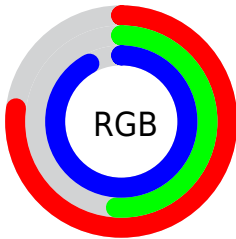
Format	Color
R _Y B	197, 131, 234
Decimal	12944362
CIE _{Lab}	65.00, 43.42, -42.30
CIE _{LCh}	65, 60.621, 315.746
Y _{xy}	34.0434, 0.2839, 0.2101
Android (android.graphics.Color)	4291134442 (0xFFC583EA)
YUV	162.4760, 35.2613, 30.2775
Hunter-Lab	58.3467, 38.6011, -42.4716

Details

The XYZ color **45.9935, 34.0434, 81.9888** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **49.6690, 68.8099, 32.1379**, and the grayscale version is **34.4045, 36.1962, 39.4177**.

A 20% lighter version of the original color is **76.6390, 63.1779, 102.7630**, and **21.8164, 14.4690, 43.7624** is the 20% darker color. If you saturate the color by 10%, you get **41.0585, 27.3496, 80.9574**, and if you desaturate by 10%, it is **51.7633, 42.2226, 83.2640**.

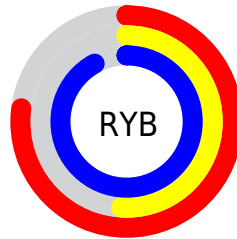
Distribution



Red (77%)

Green (51%)

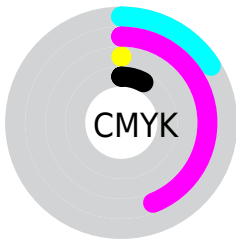
Blue (92%)



Red (77%)

Yellow (51%)

Blue (92%)

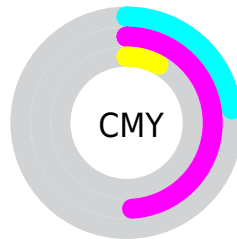


Cyan (16%)

Magenta (44%)

Yellow (0%)

Black (8%)



Cyan (23%)


Magenta (49%)


Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.9935, 34.0434, 81.9888 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 45.9935, 34.0434, 81.9888 by changing the saturation by 10% instead.


 45.9935, 34.0434,
81.9888

 45.9935, 34.0434,
81.9888

361.4989,
320.3255, 521.4927


 32.4453, 22.9269,
60.8205


 83.4372, 66.0012,
137.9948

 21.8590, 14.5396,
43.6507


 108.0634, 87.6112,
173.6697

 13.8694, 8.4969,
30.0609


 137.1130,
113.4880, 215.0172

 8.1110, 4.4145,
19.6323

170.9513,
144.0158, 262.4558

 4.2184, 1.9080,
11.9467

209.9437,
179.5791, 316.4041

 1.8264, 0.5532,
6.5853

254.4555,

 0.5335, 0.0000,

220.5622, 377.2807

3.1296

304.8521,
267.3495, 445.5040

■ 0.0000, 0.0000,
1.1612

■ 0.0000, 0.0000,
0.0000

■ 45.9935, 34.0434,
81.9888

■ 45.9935, 34.0434,
81.9888

■ 41.0585, 27.3496,
80.9574

■ 51.7633, 42.2226,
83.2640

■ 36.9043, 22.0391,
80.1513

■ 58.4100, 51.9715,
84.7954

■ 33.4757, 18.0034,
79.5531

■ 65.9771, 63.3733,
86.5974

■ 30.7076, 15.1155,
79.1416

■ 74.5039, 76.5038,
88.6824

■ 28.5209, 13.2206,
78.8911

■ 84.0272, 91.4341,
91.0623

■ 27.4186, 12.4192,
78.7945

■ 89.1234, 97.3142,
91.9287

■ 91.8514, 98.7206,
92.0563

Harmonies

Analogous

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



37.1502, 34.0434, 105.6430



45.9935, 34.0434, 81.9888



51.5970, 34.0434, 50.2689

Triad

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



45.9935, 34.0434, 81.9888



36.6874, 34.0434, 7.2051



18.6946, 34.0434, 51.7708

Complementary

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



45.9935, 34.0434, 81.9888



49.6690, 68.8099, 32.1379

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.



18.6159, 34.0434, 26.4069



45.9935, 34.0434, 81.9888



27.9954, 34.0434, 7.3148

Square

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



45.9935, 34.0434, 81.9888



45.6024, 34.0434, 12.1284



21.7238, 34.0434, 12.5553



21.9626, 34.0434, 83.5066

Rectangle

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



45.9935, 34.0434, 81.9888



52.1920, 34.0434, 32.4417



21.7238, 34.0434, 12.5553



18.3172, 34.0434, 42.1133

Sweetspot

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



45.9947, 34.0448, 81.9896



81.1253, 78.4539, 105.4751



38.3572, 39.0564, 83.3594



16.9012, 16.0870, 22.4643



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.



45.9947, 34.0448, 81.9896



50.3275, 33.8034, 98.4799



55.0025, 38.9077, 72.5072



15.1596, 15.0275, 19.0239



15.5498, 7.0522, 44.2846



1.3254, 0.6076, 3.4823

Inverse Universe

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



49.1169, 36.5534, 41.5138



55.0435, 37.4989, 41.5777



43.8743, 65.7079, 37.0522



15.2890, 15.1435, 16.8073



20.0230, 10.2119, 5.9224



1.6169, 0.8197, 0.6997

Previews

White Background



This preview shows how the XYZ color 45.9935, 34.0434, 81.9888 looks on a white background.

Color Contrast Check

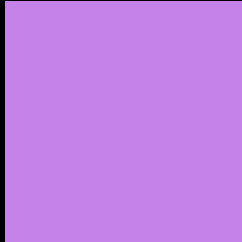
Large Text (above 18pt) WCAG AA × Fail

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 45.9935, 34.0434, 81.9888 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

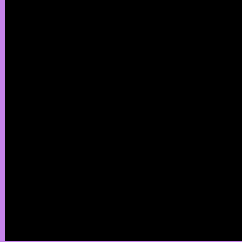
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 45.9935, 34.0434, 81.9888

Background



This preview shows how black text looks on a background with the XYZ color 45.9935, 34.0434, 81.9888.

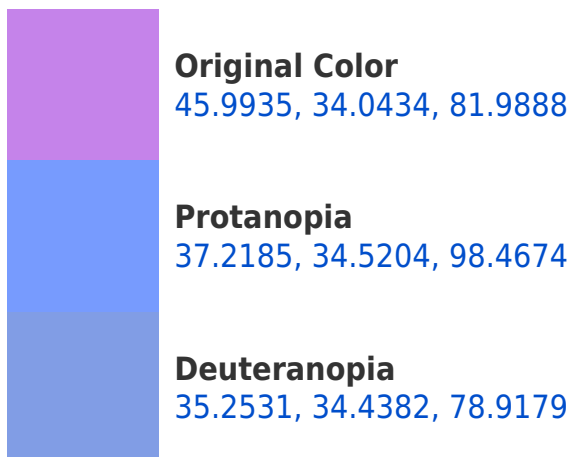


This preview shows how white text looks on a background with the XYZ color 45.9935, 34.0434,

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

36.8555, 33.9973, 37.4205

Trichromacy



Original Color

45.9935, 34.0434, 81.9888



Protanomaly

39.1000, 33.4762, 92.3964



Deuteranomaly

38.3401, 33.8194, 80.1083



Tritanomaly

39.5222, 33.7100, 50.8780

Monochromacy



Original Color

45.9935, 34.0434, 81.9888



Achromatopsia

34.3422, 36.1307, 39.3463



Achromatomaly

37.8229, 34.8780, 52.3156

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.9935, 34.0434, 81.9888 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(197, 131, 234)` looks like.

```
.text, #text, p{  
    color:rgb(197, 131, 234)  
}
```

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(197, 131, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 131, 234) }
```

Border

The CSS property to change the border of an element to XYZ 45.9935, 34.0434, 81.9888 is called "border". The border property can be set on classes, ids or directly on the HTML element.

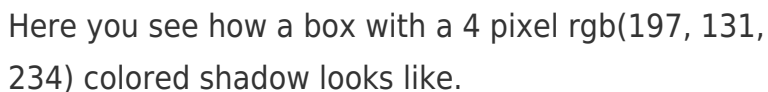
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(197, 131, 234) }
```


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

```
.border{ border-color:rgb(197, 131, 234) }
```

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



Here you see how a box with a 4 pixel `rgb(197, 131, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 131, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 131, 234);  
box-shadow:4px 4px 4px 4px rgb(197, 131,  
234) }
```

Background

The CSS property to change the background color of an element to XYZ 45.9935, 34.0434, 81.9888 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 131, 234) }
```

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

```
.background{ background-color: rgb(197,  
131, 234) }
```

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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