

Converting Colors

XYZ(46.4849, 35.2507, 85.2430)

Have a look what the booklet for
XYZ(46.4849, 35.2507, 85.2430)
contains.

XYZ(46.4849, 35.2507, 85.2430)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(46.4849, 35.2507,
85.2430)**

Conversions

Conversions Part 1

Format	Color
Hex	C288EE
RGB	194, 136, 238
RGB Percent	76%, 53%, 93%
CMY	0.2392, 0.4667, 0.0667
CMYK	0.18, 0.43, 0.00, 0.07
HSL	274°, 75%, 73%
HSV	274°, 43%, 93%
XYZ	46.4849, 35.2507, 85.2430
YIQ	164.9700, 1.8260, 44.0180

Conversions

Conversions Part 2

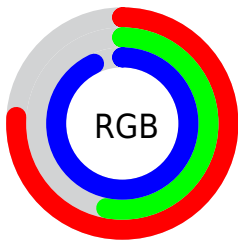
Format	Color
RYB	194, 136, 238
Decimal	12749038
CIELab	65.94, 40.73, -43.05
CIELCh	66, 59.265, 313.417
Yxy	35.2507, 0.2784, 0.2111
Android (android.graphics.Color)	4290939118 (0xFFC288EE)
YUV	164.9700, 36.0038, 25.4593
Hunter-Lab	59.3723, 35.8531, -43.5642

Details

The XYZ color **46.4849, 35.2507, 85.2430** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **53.8419, 72.6308, 34.4753**, and the grayscale version is **35.5833, 37.4363, 40.7682**.

A 20% lighter version of the original color is **76.6083, 64.7424, 103.0666**, and **22.1732, 15.2777, 46.0362** is the 20% darker color. If you saturate the color by 10%, you get **40.9533, 27.9642, 84.1287**, and if you desaturate by 10%, it is **52.9452, 44.1222, 86.6155**.

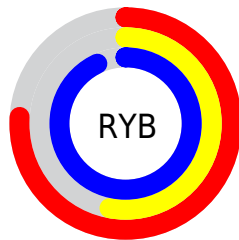
Distribution



Red (76%)

Green (53%)

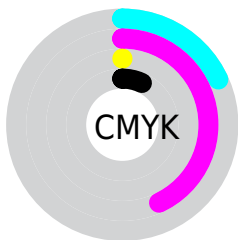
Blue (93%)



Red (76%)

Yellow (53%)

Blue (93%)

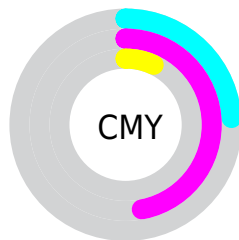


Cyan (18%)

Magenta (43%)

Yellow (0%)

Black (7%)



Cyan (24%)


Magenta (47%)


Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.4849, 35.2507, 85.2430 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 46.4849, 35.2507, 85.2430 by changing the saturation by 10% instead.


 46.4849, 35.2507,
85.2430


 46.4849, 35.2507,
85.2430

363.4380,
325.6735, 532.5973


 32.8349, 23.8561,
63.4909


 84.1677, 67.8740,
142.5898

 22.1586, 15.2269,
45.7949


 108.9311, 89.8714,
179.0216

 14.0907, 8.9788,
31.7365


 138.1297,
116.1718, 221.1836

 8.2659, 4.7273,
20.8972

172.1289,
147.1597, 269.4946

 4.3188, 2.0882,
12.8583

211.2939,
183.2194, 324.3728

 1.8840, 0.6580,
7.2015

255.9903,

 0.5675, 0.0000,

224.7354, 386.2370

3.5081

306.5832,
272.0919, 455.5057

■ 0.0000, 0.0000,
1.3596

■ 0.0000, 0.0000,
0.1099

■ 46.4849, 35.2507,
85.2430

■ 46.4849, 35.2507,
85.2430

■ 40.9533, 27.9642,
84.1287

■ 52.9452, 44.1222,
86.6155

■ 36.2932, 22.1568,
83.2534

■ 60.3792, 54.6666,
88.2589

■ 32.4461, 17.7163,
82.5990

■ 68.8333, 66.9706,
90.1882

■ 29.3437, 14.5115,
82.1440

■ 78.3495, 81.1132,
92.4165

■ 26.9037, 12.3843,
81.8620

■ 88.9661, 97.1660,
94.9554

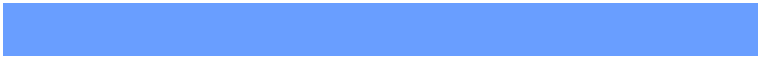
■ 25.4783, 11.3518,
81.7378

■ 92.4327, 98.9531,
95.1177

Harmonies

Analogous

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



37.5727, 35.2507, 107.1440



46.4849, 35.2507, 85.2430



52.4077, 35.2507, 53.8834

Triad

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



46.4849, 35.2507, 85.2430



38.5523, 35.2507, 8.2063



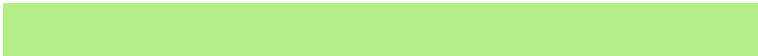
19.6313, 35.2507, 50.7166

Complementary

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



46.4849, 35.2507, 85.2430



53.8419, 72.6308, 34.4753

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.



19.8006, 35.2507, 26.1813



46.4849, 35.2507, 85.2430



29.7415, 35.2507, 7.9619

Square

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



46.4849, 35.2507, 85.2430



47.3091, 35.2507, 13.8354



23.1983, 35.2507, 12.9017



22.6865, 35.2507, 82.0719

Rectangle

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



46.4849, 35.2507, 85.2430



53.3177, 35.2507, 35.5741



23.1983, 35.2507, 12.9017



19.3315, 35.2507, 41.3339

Sweetspot

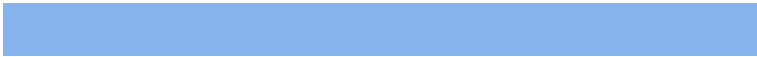
The Sweet Spot groups the original color and five complimentary colors.



46.4862, 35.2521, 85.2438



80.3048, 78.0309, 105.4367



41.9489, 44.1320, 87.1969



16.6982, 15.9824, 22.4548



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.



46.4862, 35.2521, 85.2438



48.9040, 34.0031, 98.5935



58.5171, 41.5676, 80.6894



15.7576, 15.6723, 19.9161



14.3654, 6.4110, 45.6082



1.3088, 0.5920, 3.7995

Inverse Universe

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



52.3033, 39.0820, 47.9681



56.9129, 39.2528, 48.3197



45.6718, 68.3613, 36.6966



16.0559, 15.8721, 17.8505



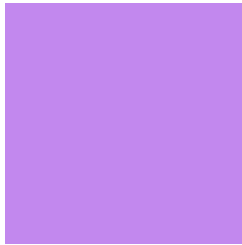
21.0900, 10.7084, 8.3906



1.8034, 0.9104, 0.9558

Previews

White Background



This preview shows how the XYZ color 46.4849, 35.2507, 85.2430 looks on a white background.

Color Contrast Check

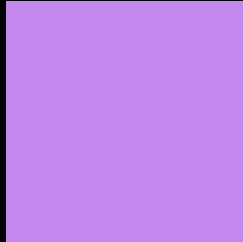
Large Text (above 18pt) WCAG AA × Fail

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 46.4849, 35.2507, 85.2430 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

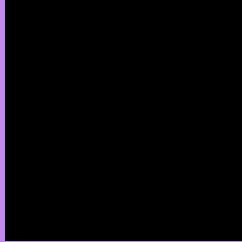
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.4849, 35.2507, 85.2430

Background



This preview shows how black text looks on a background with the XYZ color 46.4849, 35.2507, 85.2430.

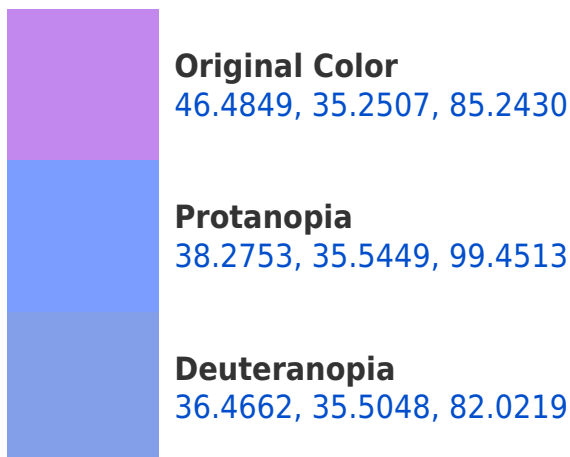


This preview shows how white text looks on a background with the XYZ color 46.4849, 35.2507,

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

37.2205, 35.0819, 39.9317

Trichromacy



Original Color

46.4849, 35.2507, 85.2430



Protanomaly

40.2408, 34.7240, 94.2040



Deuteranomaly

39.3884, 35.0014, 83.2772



Tritanomaly

39.9326, 34.7585, 53.8946

Monochromacy



Original Color

46.4849, 35.2507, 85.2430



Achromatopsia

35.7637, 37.6262, 40.9749



Achromatomaly

38.9745, 36.1471, 54.7921

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.4849, 35.2507, 85.2430 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(194, 136, 238)` looks like.

```
.text, #text, p{  
    color:rgb(194, 136, 238)  
}
```

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(194, 136, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 136, 238) }
```

Border

The CSS property to change the border of an element to XYZ 46.4849, 35.2507, 85.2430 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(194, 136, 238) }
```


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

```
.border{ border-color:rgb(194, 136, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(194, 136, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(194, 136, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(194, 136, 238);  
box-shadow:4px 4px 4px 4px rgb(194, 136,  
238) }
```

Background

The CSS property to change the background color of an element to XYZ 46.4849, 35.2507, 85.2430 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(194, 136, 238) }
```

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

```
.background{ background-color: rgb(194,  
136, 238) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor