

Converting Colors

XYZ(45.3835, 37.5506, 86.5174)

Have a look what the booklet for
XYZ(45.3835, 37.5506, 86.5174)
contains.

XYZ(45.3835, 37.5506, 86.5174)	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(45.3835, 37.5506,
86.5174)**

Conversions

Conversions Part 1

Format	Color
Hex	B595EF
RGB	181, 149, 239
RGB Percent	71%, 58%, 94%
CMY	0.2902, 0.4157, 0.0627
CMYK	0.24, 0.38, 0.00, 0.06
HSL	261°, 74%, 76%
HSV	261°, 38%, 94%
XYZ	45.3835, 37.5506, 86.5174
YIQ	168.8280, -9.8180, 34.7740

Conversions

Conversions Part 2

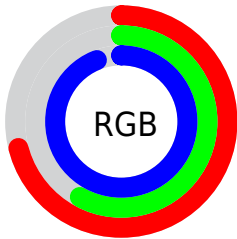
Format	Color
R_{YB}	181, 149, 239
Decimal	11900399
CIE _{Lab}	67.69, 30.08, -40.95
CIE _{LCh}	68, 50.812, 306.294
Yxy	37.5506, 0.2678, 0.2216
Android (android.graphics.Color)	4290090479 (0xFFB595EF)
YUV	168.8280, 34.5948, 10.6748
Hunter-Lab	61.2785, 24.9614, -40.8149

Details

The XYZ color **45.3835, 37.5506, 86.5174** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **62.0243, 77.1691, 40.0612**, and the grayscale version is **37.4662, 39.4174, 42.9255**.

A 20% lighter version of the original color is **74.6658, 68.1090, 103.8188**, and **21.5191, 16.5899, 46.8677** is the 20% darker color. If you saturate the color by 10%, you get **38.5691, 28.9893, 85.2247**, and if you desaturate by 10%, it is **53.3756, 47.8723, 88.0891**.

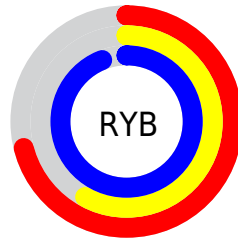
Distribution



Red (71%)

Green (58%)

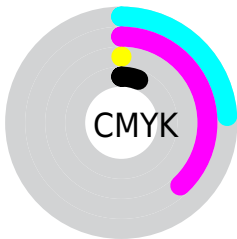
Blue (94%)



Red (71%)

Yellow (58%)

Blue (94%)

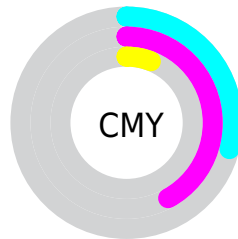


Cyan (24%)

Magenta (38%)

Yellow (0%)

Black (6%)



Cyan (29%)

Magenta (42%)

Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.3835, 37.5506, 86.5174 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 45.3835, 37.5506, 86.5174 by changing the saturation by 10% instead.

45.3835, 37.5506,
86.5174

45.3835, 37.5506,
86.5174

359.0822,
335.6882, 536.9107

31.9622, 25.6341,
64.5386

82.5291, 71.4188,
144.3842

21.4880, 16.5501,
46.6380

106.9841, 94.1393,
181.1093

13.5957, 9.9142,
32.3973

135.8477,
121.2299, 223.5868

7.9198, 5.3421,
21.3978

169.4853,
153.0749, 272.2354

4.0950, 2.4494,
13.2210

208.2621,
190.0589, 327.4735

1.7560, 0.8511,
7.4484

252.5437,

0.4910, 0.0000,

232.5662, 389.7197

3.6614

302.6952,
280.9812, 459.3926

■ 0.0000, 0.0000,
1.4415

■ 0.0000, 0.0000,
0.1738

■ 45.3835, 37.5506,
86.5174

■ 45.3835, 37.5506,
86.5174

■ 38.5691, 28.9893,
85.2247

■ 53.3756, 47.8723,
88.0891

■ 32.8678, 22.0818,
84.1919

■ 62.5976, 60.0437,
89.9524

■ 28.2142, 16.7163,
83.4015

■ 73.1030, 74.1535,
92.1221

■ 24.5337, 12.7651,
82.8329

■ 84.9409, 90.2829,
94.6115

■ 21.7399, 10.0782,
82.4615

■ 92.5801, 99.0120,
95.8938

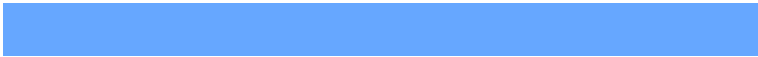
■ 19.7215, 8.4573,
82.2550

■ 19.3246, 8.1624,
82.2190

Harmonies

Analogous

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



37.3699, 37.5506, 100.6027



45.3835, 37.5506, 86.5174



51.3582, 37.5506, 60.8273

Triad

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



45.3835, 37.5506, 86.5174



42.1044, 37.5506, 12.7180



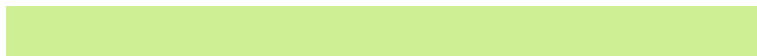
22.7003, 37.5506, 45.8068

Complementary

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



45.3835, 37.5506, 86.5174



62.0243, 77.1691, 40.0612

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.



23.5855, 37.5506, 25.8627



45.3835, 37.5506, 86.5174



34.0626, 37.5506, 11.2267

Square

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



45.3835, 37.5506, 86.5174



49.2794, 37.5506, 20.2773



27.4867, 37.5506, 15.0182



24.8624, 37.5506, 72.1545

Rectangle

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



45.3835, 37.5506, 86.5174



52.9564, 37.5506, 43.7423



27.4867, 37.5506, 15.0182



22.6564, 37.5506, 38.1573

Sweetspot

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



45.3848, 37.5521, 86.5183



80.4049, 80.1222, 105.8351



50.4097, 57.4911, 90.1020



16.8514, 16.6672, 22.5789



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.



45.3848, 37.5521, 86.5183



46.5326, 35.8792, 99.0806



57.5359, 43.8162, 87.0869



15.4276, 15.5021, 19.9007



10.8085, 4.5774, 45.4417



1.0037, 0.4347, 3.7852

Inverse Universe

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



57.6075, 44.3518, 64.5567



62.8177, 44.9545, 69.1180



51.2945, 71.6377, 39.5591



16.2018, 15.9304, 18.6188



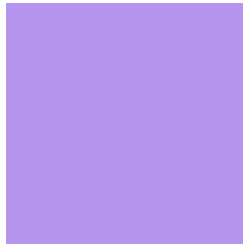
22.9605, 11.4566, 18.2402



1.9573, 0.9719, 1.7658

Previews

White Background



This preview shows how the XYZ color 45.3835, 37.5506, 86.5174 looks on a white background.

Color Contrast Check

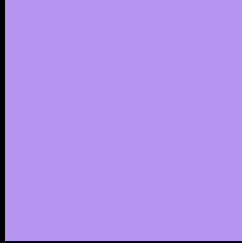
Large Text (above 18pt) WCAG AA × Fail

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 45.3835, 37.5506, 86.5174 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

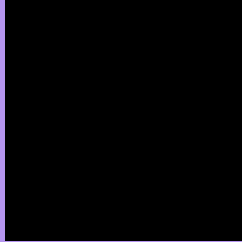
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 45.3835, 37.5506, 86.5174

Background



This preview shows how black text looks on a background with the XYZ color 45.3835, 37.5506, 86.5174.



This preview shows how white text looks on a background with the XYZ color 45.3835, 37.5506,

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

45.3835, 37.5506, 86.5174

Protanopia

40.0072, 37.8111, 95.6322

Deuteranopia

38.7187, 37.6538, 84.5841



Tritanopia

37.0204, 37.3708, 45.8195

Trichromacy



Original Color

45.3835, 37.5506, 86.5174

Protanomaly

41.4540, 37.3471, 92.2126

Deuteranomaly

40.8393, 37.4382, 85.1946

Tritanomaly

39.4836, 37.0754, 58.5013

Monochromacy



Original Color

45.3835, 37.5506, 86.5174

Achromatopsia

37.7116, 39.6755, 43.2066

Achromatomaly

39.8915, 38.6199, 56.3908

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.3835, 37.5506, 86.5174 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(181, 149, 239)` looks like.

```
.text, #text, p{  
    color:rgb(181, 149, 239)  
}
```

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(181, 149, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 149, 239) }
```

Border

The CSS property to change the border of an element to XYZ 45.3835, 37.5506, 86.5174 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(181, 149, 239) }
```


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

```
.border{ border-color:rgb(181, 149, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 149, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 149, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 149, 239);  
box-shadow:4px 4px 4px 4px rgb(181, 149,  
239) }
```

Background

The CSS property to change the background color of an element to XYZ 45.3835, 37.5506, 86.5174 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 149, 239) }
```

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

```
.background{ background-color: rgb(181,  
149, 239) }
```

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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