

Converting Colors

XYZ(50.8530, 50.4279, 86.4372)

Have a look what the booklet for
XYZ(50.8530, 50.4279, 86.4372)
contains.

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Color

**XYZ(50.8307, 50.5211,
86.4294)**

Conversions

Conversions Part 1

Format	Color
Hex	B1BAEC
RGB	177, 186, 236
RGB Percent	69%, 73%, 93%
CMY	0.3059, 0.2706, 0.0745
CMYK	0.25, 0.21, 0.00, 0.07
HSL	231°, 61%, 81%
HSV	231°, 25%, 93%
XYZ	50.8307, 50.5211, 86.4294
YIQ	189.0090, -21.4140, 13.6420

Conversions

Conversions Part 2

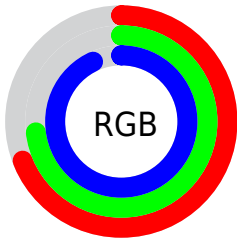
Format	Color
RYB	177, 185, 236
Decimal	11647724
CIELab	76.39, 7.63, -25.89
CIELCh	76, 26.991, 286.412
Yxy	50.5211, 0.2707, 0.2690
Android (android.graphics.Color)	4289837804 (0xFFB1BAEC)
YUV	189.0090, 23.1666, -10.5319
Hunter-Lab	71.0782, 3.2652, -22.3405

Details

The XYZ color **50.8307, 50.5211, 86.4294** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **69.9976, 75.9456, 52.5661**, and the grayscale version is **48.2568, 50.7699, 55.2884**.

A 20% lighter version of the original color is **83.4064, 88.0479, 107.2067**, and **24.7941, 24.2813, 46.5600** is the 20% darker color. If you saturate the color by 10%, you get **41.9905, 40.1418, 84.8928**, and if you desaturate by 10%, it is **61.1934, 62.5630, 88.2084**.

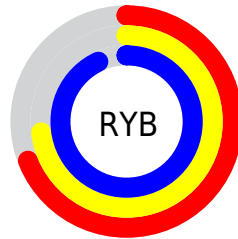
Distribution



Red (69%)

Green (73%)

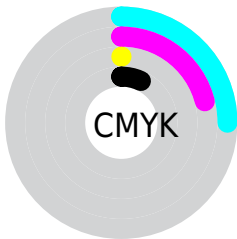
Blue (93%)



Red (69%)

Yellow (73%)

Blue (93%)

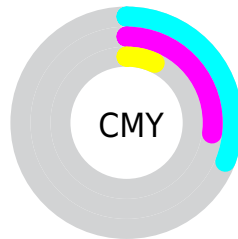


Cyan (25%)

Magenta (21%)

Yellow (0%)

Black (7%)



Cyan (31%)

Magenta (27%)

Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 50.8307, 50.5211, 86.4294 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 50.8307, 50.5211, 86.4294 by changing the saturation by 10% instead.

■ 50.8307, 50.5211,
86.4294

■ 50.8307, 50.5211,
86.4294

380.3042,
388.7003, 536.6135

■ 36.2944, 35.8276,
64.4662

■ 90.5890, 90.9465,
144.2604

■ 24.8328, 24.3011,
46.5798

116.5416,
117.4472, 180.9653

■ 16.0806, 15.5571,
32.3516

147.0304,
148.6524, 223.4211

■ 9.6724, 9.2113,
21.3632

182.4207,
184.9466, 272.0464

■ 5.2429, 4.8793,
13.1959

223.0779,
226.7140, 327.2598

■ 2.4267, 2.1766,
7.4313

269.3673,

■ 0.8584, 0.7072,

274.3392, 389.4797

3.6507

321.6543,
328.2065, 459.1248

■ 0.0000, 0.0000,
1.4358

■ 0.0000, 0.0000,
0.1694

■ 50.8307, 50.5211,
86.4294

■ 50.8307, 50.5211,
86.4294

■ 41.9905, 40.1418,
84.8928

■ 61.1934, 62.5630,
88.2084

■ 34.5958, 31.3457,
83.5847

■ 73.1411, 76.3303,
90.2360

■ 28.5700, 24.0559,
82.4952

■ 86.7386, 91.8897,
92.5226

■ 23.8274, 18.1865,
81.6123

■ 92.1405, 98.8362,
93.5787

■ 20.2726, 13.6427,
80.9226

■ 17.7960, 10.3178,
80.4114

■ 16.2666, 8.0875,
80.0615

■ 15.7716, 7.3183,
79.9391

Harmonies

Analogous

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



45.7612, 50.5211, 86.9123



50.8307, 50.5211, 86.4294



55.4439, 50.5211, 76.6291

Triad

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



50.8307, 50.5211, 86.4294



55.0703, 50.5211, 37.1387



39.1396, 50.5211, 48.6972

Complementary

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



50.8307, 50.5211, 86.4294



69.9976, 75.9456, 52.5661

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.



41.2881, 50.5211, 37.8937



50.8307, 50.5211, 86.4294



50.3495, 50.5211, 32.0591

Square

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



50.8307, 50.5211, 86.4294



58.0072, 50.5211, 47.4803



45.3125, 50.5211, 32.3086



39.2483, 50.5211, 63.2940

Rectangle

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



50.8307, 50.5211, 86.4294



57.5344, 50.5211, 66.9746



45.3125, 50.5211, 32.3086



39.6149, 50.5211, 44.5606

Sweetspot

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



50.8323, 50.5231, 86.4306



84.1480, 87.4960, 107.0611



61.8784, 74.8392, 83.2566



17.8197, 18.5075, 22.8831



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.



50.8323, 50.5231, 86.4306



54.9756, 53.6454, 102.0648



53.8025, 49.3272, 86.0432



14.4167, 14.9199, 19.0422



8.7520, 4.1510, 44.0829



0.7440, 0.4395, 3.4805

Inverse Universe

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



59.1785, 52.8238, 53.5336



66.5731, 57.0253, 56.3117



66.3499, 77.8160, 53.1194



15.1591, 15.0915, 16.1233



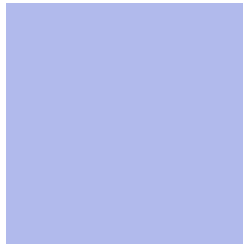
19.2729, 9.9118, 1.9724



1.5420, 0.7898, 0.3058

Previews

White Background



This preview shows how the XYZ color 50.8307, 50.5211, 86.4294 looks on a white background.

Color Contrast Check

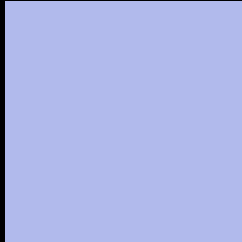
Large Text (above 18pt) WCAG AA × Fail

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 50.8307, 50.5211, 86.4294 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

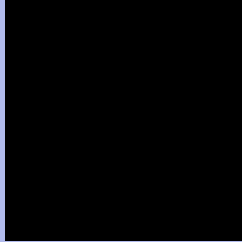
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 50.8307, 50.5211, 86.4294

Background



This preview shows how black text looks on a background with the XYZ color 50.8307, 50.5211, 86.4294.



This preview shows how white text looks on a background with the XYZ color 50.8307, 50.5211,

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

50.8307, 50.5211, 86.4294

Protanopia

50.6037, 50.4040, 86.4187

Deuteranopia

51.7807, 50.6991, 86.4137



Tritanopia

46.5660, 50.3758, 65.6617

Trichromacy



Original Color

50.8307, 50.5211, 86.4294

Protanomaly

50.6037, 50.4040, 86.4187

Deuteranomaly

51.3117, 50.4574, 86.3917

Tritanomaly

47.9556, 50.2892, 72.8249

Monochromacy



Original Color

50.8307, 50.5211, 86.4294

Achromatopsia

48.3692, 50.8881, 55.4172

Achromatomaly

49.1314, 50.7370, 65.5962

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.8307, 50.5211, 86.4294 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(177, 186, 236)` looks like.

```
.text, #text, p{  
    color:rgb(177, 186, 236)  
}
```

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(177, 186, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 186, 236) }
```

Border

The CSS property to change the border of an element to XYZ 50.8307, 50.5211, 86.4294 is called "border". The border property can be set on classes, ids or directly on the HTML element.

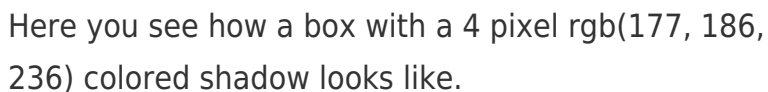
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(177, 186, 236) }
```


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

```
.border{ border-color:rgb(177, 186, 236) }
```

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



Here you see how a box with a 4 pixel `rgb(177, 186, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 186, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 186, 236);  
box-shadow:4px 4px 4px 4px rgb(177, 186,  
236) }
```

Background

The CSS property to change the background color of an element to XYZ 50.8307, 50.5211, 86.4294 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 186, 236) }
```

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

```
.background{ background-color: rgb(177,  
186, 236) }
```

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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