

Converting Colors

XYZ(51.4249, 51.4907, 85.0702)

Have a look what the booklet for
XYZ(51.4249, 51.4907, 85.0702)
contains.

XYZ(51.4249, 51.4907, 85.0702)	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(51.4249, 51.4907,
85.0702)**

Conversions

Conversions Part 1

Format	Color
Hex	B3BCEA
RGB	179, 188, 234
RGB Percent	70%, 74%, 92%
CMY	0.2980, 0.2627, 0.0823
CMYK	0.24, 0.20, 0.00, 0.08
HSL	230°, 57%, 81%
HSV	230°, 24%, 92%
XYZ	51.4249, 51.4907, 85.0702
YIQ	190.5530, -20.1300, 12.3980

Conversions

Conversions Part 2

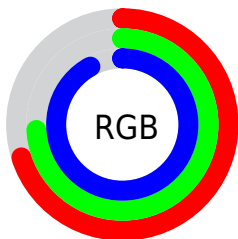
Format	Color
R _Y B	179, 187, 234
Decimal	11779306
CIE Lab	76.98, 6.67, -23.90
CIE LCh	77, 24.816, 285.591
Yxy	51.4907, 0.2736, 0.2739
Android (android.graphics.Color)	4289969386 (0xFFB3BCEA)
YUV	190.5530, 21.4194, -10.1320
Hunter-Lab	71.7570, 2.3478, -20.0602

Details

The XYZ color **51.4249, 51.4907, 85.0702** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **68.9941, 74.5976, 53.4116**, and the grayscale version is **49.1523, 51.7121, 56.3145**.

A 20% lighter version of the original color is **84.6616, 89.5835, 107.4369**, and **25.1573, 24.9023, 45.6002** is the 20% darker color. If you saturate the color by 10%, you get **42.5678, 41.1346, 83.5390**, and if you desaturate by 10%, it is **61.7699, 63.4578, 86.8357**.

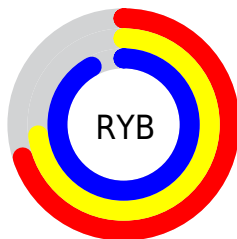
Distribution



Red (70%)

Green (74%)

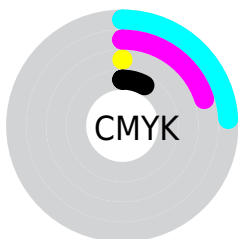
Blue (92%)



Red (70%)

Yellow (73%)

Blue (92%)

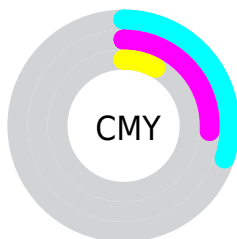


Cyan (24%)

Magenta (20%)

Yellow (0%)

Black (8%)



Cyan (30%)

Magenta (26%)

Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 51.4249, 51.4907, 85.0702 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 51.4249, 51.4907, 85.0702 by changing the saturation by 10% instead.

■ 51.4249, 51.4907,
85.0702

■ 51.4249, 51.4907,
85.0702

382.5729,
392.4673, 532.0110

■ 36.7693, 36.5993,
63.3489

■ 91.4618, 92.3797,
142.3463

■ 25.2018, 24.8974,
45.6807

117.5738,
119.1461, 178.7382

■ 16.3570, 16.0006,
31.6471

148.2353,
150.6395, 220.8573

■ 9.8696, 9.5246,
20.8295

183.8117,
187.2445, 269.1222

■ 5.3742, 5.0849,
12.8094

224.6683,
229.3454, 323.9515

■ 2.5054, 2.2972,
7.1683

271.1704,

■ 0.8980, 0.7722,

277.3265, 385.7637

3.4875

323.6835,
331.5724, 454.9774

■ 0.0000, 0.0000,
1.3486

■ 0.0000, 0.0000,
0.1012

■ 51.4249, 51.4907,
85.0702

■ 51.4249, 51.4907,
85.0702

■ 42.5678, 41.1346,
83.5390

■ 61.7699, 63.4578,
86.8357

■ 35.1247, 32.3142,
82.2287

■ 73.6623, 77.0948,
88.8411

■ 29.0228, 24.9572,
81.1303

■ 87.1644, 92.4649,
91.0962

■ 24.1805, 18.9829,
80.2324

■ 91.8514, 98.7206,
92.0566

■ 20.5072, 14.3029,
79.5226

■ 17.8999, 10.8177,
78.9873

■ 16.2361, 8.4126,
78.6108

■ 15.5541, 7.3460,
78.4409

Harmonies

Analogous

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



46.7127, 51.4907, 85.2540



51.4249, 51.4907, 85.0702



55.7268, 51.4907, 76.3304

Triad

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



51.4249, 51.4907, 85.0702



55.5822, 51.4907, 39.4451



40.6522, 51.4907, 49.8318

Complementary

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



51.4249, 51.4907, 85.0702



68.9941, 74.5976, 53.4116

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.



42.7286, 51.4907, 39.7465



51.4249, 51.4907, 85.0702



51.2377, 51.4907, 34.4379

Square

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



51.4249, 51.4907, 85.0702



58.2303, 51.4907, 49.3534



46.5372, 51.4907, 34.5385



40.6951, 51.4907, 63.3583

Rectangle

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



51.4249, 51.4907, 85.0702



57.6951, 51.4907, 67.5277



46.5372, 51.4907, 34.5385



41.1193, 51.4907, 45.9783

Sweetspot

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



51.4265, 51.4928, 85.0714



84.2063, 87.6126, 107.0805



61.5822, 73.8575, 82.1262



17.8331, 18.5345, 22.8876



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.



51.4265, 51.4928, 85.0714



57.3007, 56.5195, 102.4970



54.0860, 50.0975, 84.6619



14.4303, 14.9471, 19.0468



8.8006, 4.2483, 44.0991



0.7505, 0.4524, 3.4826

Inverse Universe

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



59.1302, 53.3649, 54.7632



68.1802, 59.3281, 59.6574



65.7811, 76.6495, 53.9770



15.1660, 15.0943, 16.1596



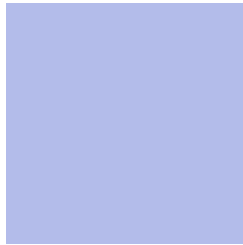
19.2975, 9.9217, 2.1018



1.5453, 0.7911, 0.3229

Previews

White Background



This preview shows how the XYZ color 51.4249, 51.4907, 85.0702 looks on a white background.

Color Contrast Check

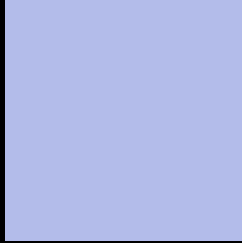
Large Text (above 18pt) WCAG AA × Fail

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 51.4249, 51.4907, 85.0702 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 51.4249, 51.4907, 85.0702

Background



This preview shows how black text looks on a background with the XYZ color 51.4249, 51.4907, 85.0702.



This preview shows how white text looks on a background with the XYZ color 51.4249, 51.4907,

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

51.4249, 51.4907, 85.0702

Protanopia

51.4249, 51.4907, 85.0702

Deuteranopia

52.6599, 51.4974, 85.0064



Tritanopia

47.9107, 51.6927, 67.1270

Trichromacy



Original Color

51.4249, 51.4907, 85.0702

Protanomaly

51.4249, 51.4907, 85.0702

Deuteranomaly

52.1500, 51.5484, 85.0431

Tritanomaly

49.0597, 51.5015, 73.0007

Monochromacy



Original Color

51.4249, 51.4907, 85.0702

Achromatopsia

49.5206, 52.0996, 56.7364

Achromatomaly

50.1695, 51.8967, 66.4043

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.4249, 51.4907, 85.0702 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(179, 188, 234)` looks like.

```
.text, #text, p{  
    color:rgb(179, 188, 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(179, 188, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 188, 234) }
```

Border

The CSS property to change the border of an element to XYZ 51.4249, 51.4907, 85.0702 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(179, 188, 234) }
```


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

```
.border{ border-color:rgb(179, 188, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 188, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 188, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 188, 234);  
box-shadow:4px 4px 4px 4px rgb(179, 188,  
234) }
```

Background

The CSS property to change the background color of an element to XYZ 51.4249, 51.4907, 85.0702 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 188, 234) }
```

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

```
.background{ background-color: rgb(179,  
188, 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](#).

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