

Converting Colors

XYZ(51.3202, 51.5543, 85.0892)

Have a look what the booklet for
XYZ(51.3202, 51.5543, 85.0892)
contains.

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Color

**XYZ(51.1946, 51.3719,
85.0594)**

Conversions

Conversions Part 1

Format	Color
Hex	B2BCEA
RGB	178, 188, 234
RGB Percent	70%, 74%, 92%
CMY	0.3019, 0.2627, 0.0823
CMYK	0.24, 0.20, 0.00, 0.08
HSL	229°, 57%, 81%
HSV	229°, 24%, 92%
XYZ	51.1946, 51.3719, 85.0594
YIQ	190.2540, -20.7260, 12.1860

Conversions

Conversions Part 2

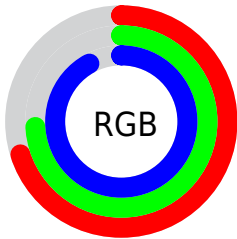
Format	Color
R _Y B	178, 186, 234
Decimal	11713770
CIE Lab	76.90, 6.37, -24.02
CIE LCh	77, 24.849, 284.852
Yxy	51.3719, 0.2729, 0.2738
Android (android.graphics.Color)	4289903850 (0xFFB2BCEA)
YUV	190.2540, 21.5668, -10.7468
Hunter-Lab	71.6742, 2.0670, -20.1905

Details

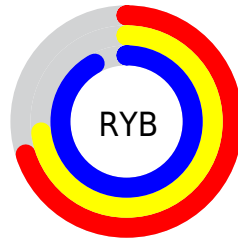
The XYZ color **51.1946, 51.3719, 85.0594** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **68.6239, 74.0185, 52.7911**, and the grayscale version is **48.9793, 51.5301, 56.1163**.

A 20% lighter version of the original color is **84.3324, 89.4138, 107.4215**, and **25.0120, 24.8274, 45.5934** is the 20% darker color. If you saturate the color by 10%, you get **42.4405, 41.1651, 83.5515**, and if you desaturate by 10%, it is **61.4147, 63.1487, 86.7947**.

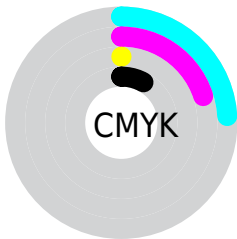
Distribution



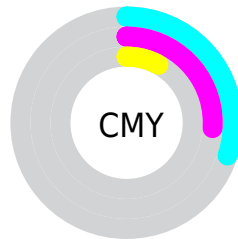
- Red (70%)
- Green (74%)
- Blue (92%)



- 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 51.1946, 51.3719, 85.0594 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 51.1946, 51.3719, 85.0594 by changing the saturation by 10% instead.

■ 51.1946, 51.3719,
85.0594

■ 51.1946, 51.3719,
85.0594

381.6946,
392.0070, 531.9743

■ 36.5852, 36.5047,
63.3400

■ 91.1236, 92.2043,
142.3311

■ 25.0587, 24.8242,
45.6736

117.1740,
118.9382, 178.7204

■ 16.2497, 15.9461,
31.6415

147.7686,
150.3965, 220.8369

■ 9.7930, 9.4860,
20.8253

183.2730,
186.9635, 269.0990

■ 5.3231, 5.0595,
12.8063

224.0524,
229.0237, 323.9252

■ 2.4748, 2.2822,
7.1662

270.4723,

■ 0.8826, 0.7643,

276.9614, 385.7342

3.4862

322.8979,
331.1610, 454.9443

■ 0.0000, 0.0000,
1.3479

■ 0.0000, 0.0000,
0.1006

■ 51.1946, 51.3719,
85.0594

■ 51.1946, 51.3719,
85.0594

■ 42.4405, 41.1651,
83.5515

■ 61.4147, 63.1487,
86.7947

■ 35.0795, 32.4552,
82.2583

■ 73.1592, 76.5520,
88.7628

■ 29.0398, 25.1724,
81.1709

■ 86.4894, 91.6432,
90.9732

■ 24.2413, 19.2391,
80.2786

■ 91.8514, 98.7206,
92.0566

■ 20.5944, 14.5695,
79.5695

■ 17.9976, 11.0680,
79.0305

■ 16.3297, 8.6236,
78.6466

■ 15.6720, 7.5817,
78.4801

Harmonies

Analogous

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



46.4905, 51.3719, 85.0134



51.1946, 51.3719, 85.0594



55.5229, 51.3719, 76.4943

Triad

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



51.1946, 51.3719, 85.0594



55.5590, 51.3719, 39.5109



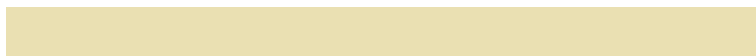
40.5686, 51.3719, 49.4048

Complementary

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



51.1946, 51.3719, 85.0594



68.6239, 74.0185, 52.7911

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.



42.6932, 51.3719, 39.4355



51.1946, 51.3719, 85.0594



51.2414, 51.3719, 34.3825

Square

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



51.1946, 51.3719, 85.0594



58.1510, 51.3719, 49.5244



46.5344, 51.3719, 34.3573



40.5579, 51.3719, 62.8768

Rectangle

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



51.1946, 51.3719, 85.0594



57.5264, 51.3719, 67.7432



46.5344, 51.3719, 34.3573



41.0529, 51.3719, 45.5860

Sweetspot

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



51.1962, 51.3740, 85.0606



84.2848, 87.7697, 107.1067



61.2025, 73.6790, 81.3283



17.8513, 18.5707, 22.8936



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.



51.1962, 51.3740, 85.0606



56.4668, 55.7479, 102.3920



53.4687, 49.4829, 84.5758



14.4487, 14.9839, 19.0529



8.8712, 4.3894, 44.1226



0.7591, 0.4697, 3.4855

Inverse Universe

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



58.9305, 52.9656, 54.6965



67.5405, 58.2347, 58.8711



65.8576, 76.7006, 53.4546



15.1753, 15.0980, 16.2084



19.3331, 9.9359, 2.2893



1.5497, 0.7928, 0.3460

Previews

White Background



This preview shows how the XYZ color 51.1946, 51.3719, 85.0594 looks on a white background.

Color Contrast Check

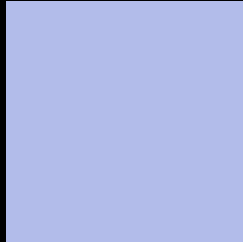
Large Text (above 18pt) WCAG AA × Fail

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 51.1946, 51.3719, 85.0594 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

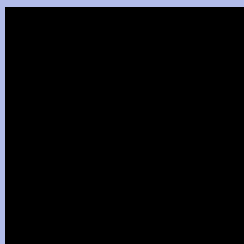
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 51.1946, 51.3719, 85.0594

Background



This preview shows how black text looks on a background with the XYZ color 51.1946, 51.3719, 85.0594.



This preview shows how white text looks on a background with the XYZ color 51.1946, 51.3719,

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

51.1946, 51.3719, 85.0594

Protanopia

51.4249, 51.4907, 85.0702

Deuteranopia

52.4178, 51.3726, 84.9951



Tritanopia

47.6887, 51.5782, 67.1166

Trichromacy



Original Color

51.1946, 51.3719, 85.0594

Protanomaly

51.4249, 51.4907, 85.0702

Deuteranomaly

51.9130, 51.4262, 85.0320

Tritanomaly

48.8344, 51.3853, 72.9902

Monochromacy



Original Color

51.1946, 51.3719, 85.0594

Achromatopsia

48.9429, 51.4918, 56.0745

Achromatomaly

49.5879, 51.2905, 65.6790

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.1946, 51.3719, 85.0594 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(178, 188, 234)` looks like.

```
.text, #text, p{  
    color:rgb(178, 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(178, 188, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 188, 234) }
```

Border

The CSS property to change the border of an element to XYZ 51.1946, 51.3719, 85.0594 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(178, 188, 234) }
```


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

```
.border{ border-color:rgb(178, 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(178, 188, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(178, 188, 234); -webkit-box-shadow:4px 4px 4px 4px rgb(178, 188, 234); box-shadow:4px 4px 4px 4px rgb(178, 188, 234) }
```

Background

The CSS property to change the background color of an element to XYZ 51.1946, 51.3719, 85.0594 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 188, 234) }
```

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

```
.background{ background-color: rgb(178,  
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](#).

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