

Converting Colors

XYZ(50.5584, 51.5317, 81.7549)

Have a look what the booklet for
XYZ(50.5584, 51.5317, 81.7549)
contains.

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Color

**XYZ(50.4719, 51.3994,
81.3897)**

Conversions

Conversions Part 1

Format	Color
Hex	B1BDE5
RGB	177, 189, 229
RGB Percent	69%, 74%, 90%
CMY	0.3059, 0.2588, 0.1020
CMYK	0.23, 0.17, 0.00, 0.10
HSL	226°, 50%, 80%
HSV	226°, 23%, 90%
XYZ	50.4719, 51.3994, 81.3897
YIQ	189.9720, -19.9920, 9.8960

Conversions

Conversions Part 2

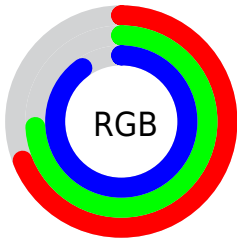
Format	Color
R _Y B	177, 187, 229
Decimal	11648485
CIE Lab	76.92, 4.37, -21.30
CIE LCh	77, 21.747, 281.605
Yxy	51.3994, 0.2754, 0.2805
Android (android.graphics.Color)	4289838565 (0xFFB1BDE5)
YUV	189.9720, 19.2408, -11.3764
Hunter-Lab	71.6934, 0.2000, -17.1234

Details

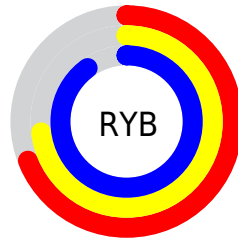
The XYZ color **50.4719, 51.3994, 81.3897** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **65.0624, 69.4584, 51.5740**, and the grayscale version is **48.8297, 51.3726, 55.9448**.

A 20% lighter version of the original color is **84.3067, 89.8485, 107.5068**, and **24.6592, 24.9105, 43.0437** is the 20% darker color. If you saturate the color by 10%, you get **42.1255, 41.8103, 79.9796**, and if you desaturate by 10%, it is **60.1570, 62.3643, 82.9965**.

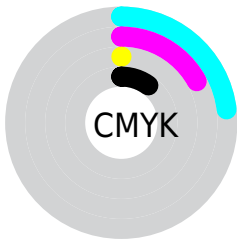
Distribution



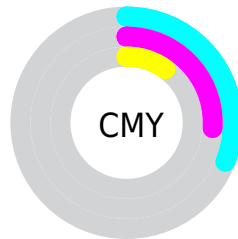
- Red (69%)
- Green (74%)
- Blue (90%)



- Red (69%)
- Yellow (73%)
- Blue (90%)



- Cyan (23%)
- Magenta (17%)
- Yellow (0%)
- Black (10%)



- Cyan (31%)
- Magenta (26%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 50.4719, 51.3994, 81.3897 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 50.4719, 51.3994, 81.3897 by changing the saturation by 10% instead.

■ 50.4719, 51.3994,
81.3897

■ 50.4719, 51.3994,
81.3897

378.9301,
392.1136, 519.4337

■ 36.0078, 36.5266,
60.3297

■ 90.0613, 92.2449,
137.1468

■ 24.6104, 24.8411,
43.2574

115.9174,
118.9863, 172.6810

■ 15.9142, 15.9587,
29.7543

146.3015,
150.4527, 213.8771

■ 9.5539, 9.4950,
19.4017

181.5790,
187.0286, 261.1535

■ 5.1642, 5.0654,
11.7811

222.1152,
229.0982, 314.9288

■ 2.3797, 2.2857,
6.4741

268.2756,

■ 0.8350, 0.7661,

277.0459, 375.6216

3.0620

320.4254,
331.2563, 443.6504

■ 0.0000, 0.0000,
1.1264

■ 0.0000, 0.0000,
0.0000

■ 50.4719, 51.3994,
81.3897

■ 50.4719, 51.3994,
81.3897

■ 42.1255, 41.8103,
79.9796

■ 60.1570, 62.3643,
82.9965

■ 35.0529, 33.5354,
78.7551

■ 71.2322, 74.7508,
84.8036

■ 29.1908, 26.5176,
77.7095

■ 83.7519, 88.6103,
86.8189

■ 24.4687, 20.6929,
76.8341

■ 91.1430, 98.4372,
88.3262

■ 20.8081, 15.9914,
76.1196

■ 18.1201, 12.3352,
75.5555

■ 16.2996, 9.6351,
75.1303

■ 15.4094, 8.1900,
74.8983

Harmonies

Analogous

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



46.3851, 51.3994, 80.4962



50.4719, 51.3994, 81.3897



54.3302, 51.3994, 74.7948

Triad

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



50.4719, 51.3994, 81.3897



55.0488, 51.3994, 42.1556



41.6848, 51.3994, 49.0769

Complementary

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



50.4719, 51.3994, 81.3897



65.0624, 69.4584, 51.5740

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.



43.7580, 51.3994, 40.5950



50.4719, 51.3994, 81.3897



51.4081, 51.3994, 37.0053

Square

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



50.4719, 51.3994, 81.3897



57.0706, 51.3994, 51.5048



47.2702, 51.3994, 36.4775



41.4658, 51.3994, 60.6760

Rectangle

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



50.4719, 51.3994, 81.3897



56.1936, 51.3994, 67.5179



47.2702, 51.3994, 36.4775



42.1823, 51.3994, 45.8118

Sweetspot

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



50.4735, 51.4015, 81.3909



84.5604, 88.3208, 107.1985



58.6590, 70.3896, 76.0507



17.9149, 18.6980, 22.9148



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.



50.4735, 51.4015, 81.3909



59.4662, 59.9380, 103.0427



51.3186, 48.1619, 80.7210



13.8514, 14.4242, 18.1984



8.8860, 4.8341, 42.8479



0.7263, 0.4964, 3.1895

Inverse Universe

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



57.2219, 51.7778, 55.1245



69.4960, 60.7072, 63.9571



64.0197, 73.6812, 52.4441



14.5126, 14.4222, 15.6337



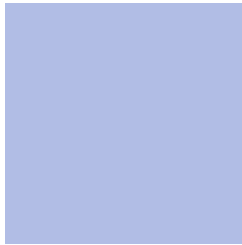
18.8787, 9.6857, 2.9905



1.4302, 0.7298, 0.4060

Previews

White Background



This preview shows how the XYZ color 50.4719, 51.3994, 81.3897 looks on a white background.

Color Contrast Check

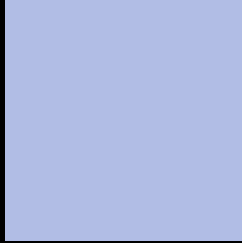
Large Text (above 18pt) WCAG AA × Fail

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 50.4719, 51.3994, 81.3897 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

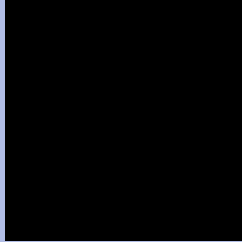
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 50.4719, 51.3994, 81.3897

Background



This preview shows how black text looks on a background with the XYZ color 50.4719, 51.3994, 81.3897.



This preview shows how white text looks on a background with the XYZ color 50.4719, 51.3994,

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

50.4719, 51.3994, 81.3897

Protanopia

51.0429, 51.3916, 80.6281

Deuteranopia

52.5809, 51.5223, 82.0364



Tritanopia

47.6887, 51.5782, 67.1166

Trichromacy



Original Color

50.4719, 51.3994, 81.3897

Protanomaly

50.8092, 51.2712, 80.6172

Deuteranomaly

51.8204, 51.4442, 82.0614

Tritanomaly

48.6999, 51.6558, 72.3696

Monochromacy



Original Color

50.4719, 51.3994, 81.3897

Achromatopsia

48.9429, 51.4918, 56.0745

Achromatomaly

49.3201, 51.5008, 64.4679

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.4719, 51.3994, 81.3897 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, 189, 229)` looks like.

```
.text, #text, p{  
    color:rgb(177, 189, 229)  
}
```

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, 189, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 189, 229) }
```

Border

The CSS property to change the border of an element to XYZ 50.4719, 51.3994, 81.3897 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, 189, 229) }
```


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

```
.border{ border-color:rgb(177, 189, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 189, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 189, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 189, 229);  
box-shadow:4px 4px 4px 4px rgb(177, 189,  
229) }
```

Background

The CSS property to change the background color of an element to XYZ 50.4719, 51.3994, 81.3897 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 189, 229) }
```

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

```
.background{ background-color: rgb(177,  
189, 229) }
```

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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