

Converting Colors

XYZ(51.5509, 50.8254, 95.9845)

Have a look what the booklet for
XYZ(51.5509, 50.8254, 95.9845)
contains.

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Color

**XYZ(51.5154, 50.6658,
95.8713)**

Conversions

Conversions Part 1

Format	Color
Hex	ACBAF8
RGB	172, 186, 248
RGB Percent	67%, 73%, 97%
CMY	0.3255, 0.2706, 0.0274
CMYK	0.31, 0.25, 0.00, 0.03
HSL	229°, 84%, 82%
HSV	229°, 31%, 97%
XYZ	51.5154, 50.6658, 95.8713
YIQ	188.8820, -28.2460, 16.3140

Conversions

Conversions Part 2

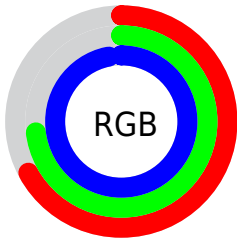
Format	Color
R _Y B	172, 184, 248
Decimal	11320056
CIE Lab	76.48, 9.06, -32.25
CIE LCh	76, 33.500, 285.692
Yxy	50.6658, 0.2601, 0.2558
Android (android.graphics.Color)	4289510136 (0xFFACBAF8)
YUV	188.8820, 29.1452, -14.8055
Hunter-Lab	71.1799, 4.6219, -30.0310

Details

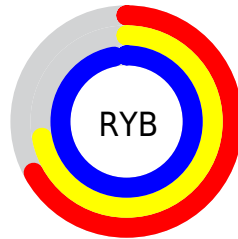
The XYZ color **51.5154, 50.6658, 95.8713** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **75.5814, 81.7813, 50.8331**, and the grayscale version is **48.1540, 50.6618, 55.1707**.

A 20% lighter version of the original color is **82.1152, 87.3823, 107.1463**, and **25.2627, 24.3882, 52.6661** is the 20% darker color. If you saturate the color by 10%, you get **42.6074, 40.1890, 94.3195**, and if you desaturate by 10%, it is **62.0459, 62.8770, 97.6742**.

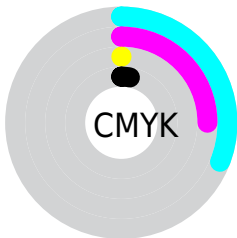
Distribution



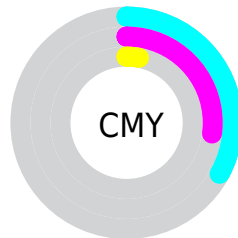
- Red (67%)
- Green (73%)
- Blue (97%)



- Red (67%)
- Yellow (72%)
- Blue (97%)



- Cyan (31%)
- Magenta (25%)
- Yellow (0%)
- Black (3%)



- Cyan (33%)
- Magenta (27%)
- Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 51.5154, 50.6658, 95.8713 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 51.5154, 50.6658, 95.8713 by changing the saturation by 10% instead.

■ 51.5154, 50.6658,
95.8713

■ 51.5154, 50.6658,
95.8713

382.9177,
389.2639, 568.0060

■ 36.8417, 35.9427,
72.2595

■ 91.5946, 91.1606,
157.4737

■ 25.2580, 24.3900,
52.8825

117.7308,
117.7011, 196.3014

■ 16.3992, 15.6231,
37.3219

148.4186,
148.9494, 241.0381

■ 9.8997, 9.2579,
25.1591

184.0232,
185.2901, 292.1024

■ 5.3942, 4.9098,
15.9755

224.9101,
227.1076, 349.9128

■ 2.5175, 2.1944,
9.3527

271.4445,

■ 0.9041, 0.7169,

274.7861, 414.8878

4.8720

323.9919,
328.7101, 487.4461

■ 0.0000, 0.0000,
2.1149

■ 0.0000, 0.0000,
0.6246

■ 51.5154, 50.6658,
95.8713

■ 51.5154, 50.6658,
95.8713

■ 42.6074, 40.1890,
94.3195

■ 62.0459, 62.8770,
97.6742

■ 35.2349, 31.3610,
93.0041

■ 74.2697, 76.8911,
99.7349

■ 29.3106, 24.0978,
91.9144

■ 88.2596, 92.7801,
102.0644

■ 24.7357, 18.3053,
91.0374

■ 93.9435, 99.5574,
103.0730

■ 21.3990, 13.8788,
90.3589

■ 19.1698, 10.6986,
89.8625

■ 17.9083, 8.7071,
89.5446

Harmonies

Analogous

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



45.2176, 50.6658, 96.1858



51.5154, 50.6658, 95.8713



57.3778, 50.6658, 83.1949

Triad

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



51.5154, 50.6658, 95.8713



57.1451, 50.6658, 33.8371



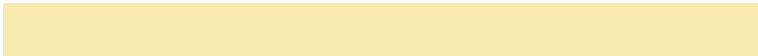
37.3234, 50.6658, 47.0113

Complementary

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



51.5154, 50.6658, 95.8713



75.5814, 81.7813, 50.8331

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.



39.9799, 50.6658, 34.2675



51.5154, 50.6658, 95.8713



51.2197, 50.6658, 27.8666

Square

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



51.5154, 50.6658, 95.8713



60.8167, 50.6658, 46.2860



44.9465, 50.6658, 28.0047



37.3875, 50.6658, 65.1158

Rectangle

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



51.5154, 50.6658, 95.8713



60.0907, 50.6658, 70.7541



44.9465, 50.6658, 28.0047



37.9170, 50.6658, 42.0548

Sweetspot

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



51.5171, 50.6678, 95.8725



81.4205, 84.5353, 106.6334



65.2613, 81.7784, 89.2874



16.9869, 17.5920, 22.7502



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.



51.5171, 50.6678, 95.8725



48.6042, 46.6141, 101.0434



54.1512, 47.8594, 95.1916



16.5417, 17.1601, 21.8257



9.7469, 4.8493, 48.3958



0.9706, 0.5848, 4.5049

Inverse Universe

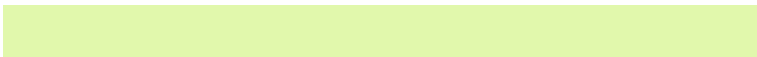
The Inverse Universe completely reimagines the original color for something new.



62.3282, 53.0082, 53.4030



61.9628, 49.8432, 48.4910



72.1287, 86.1542, 51.8591



17.3752, 17.2774, 18.5655



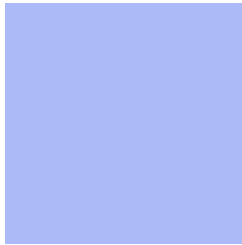
21.2118, 10.9004, 2.5577



1.9988, 1.0233, 0.4172

Previews

White Background



This preview shows how the XYZ color 51.5154, 50.6658, 95.8713 looks on a white background.

Color Contrast Check

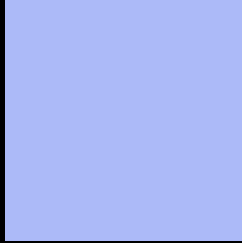
Large Text (above 18pt) WCAG AA × Fail

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 51.5154, 50.6658, 95.8713 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

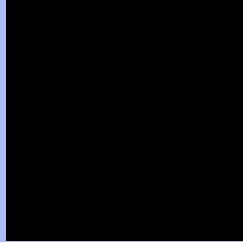
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 51.5154, 50.6658, 95.8713

Background



This preview shows how black text looks on a background with the XYZ color 51.5154, 50.6658, 95.8713.



This preview shows how white text looks on a background with the XYZ color 51.5154, 50.6658,

95.8713.

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

51.5154, 50.6658, 95.8713

Protanopia

51.2968, 50.5530, 95.8610

Deuteranopia

51.7478, 50.4739, 95.8220



Tritanopia

45.8884, 50.6359, 67.6767

Trichromacy



Original Color

51.5154, 50.6658, 95.8713

Protanomaly

51.2968, 50.5530, 95.8610

Deuteranomaly

51.5258, 50.3595, 95.8116

Tritanomaly

47.6691, 50.3701, 77.0220

Monochromacy



Original Color

51.5154, 50.6658, 95.8713

Achromatopsia

48.3692, 50.8881, 55.4172

Achromatomaly

49.1445, 50.6869, 68.1661

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.5154, 50.6658, 95.8713 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(172, 186, 248)` looks like.

```
.text, #text, p{  
    color:rgb(172, 186, 248)  
}
```

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(172, 186, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 186, 248) }
```

Border

The CSS property to change the border of an element to XYZ 51.5154, 50.6658, 95.8713 is called "border". The border property can be set on classes, ids or directly on the HTML element.

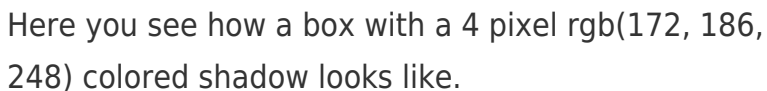
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(172, 186, 248) }
```


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

```
.border{ border-color:rgb(172, 186, 248) }
```

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



Here you see how a box with a 4 pixel `rgb(172, 186, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(172, 186, 248); -webkit-box-shadow:4px 4px 4px 4px rgb(172, 186, 248); box-shadow:4px 4px 4px 4px rgb(172, 186, 248) }
```

Background

The CSS property to change the background color of an element to XYZ 51.5154, 50.6658, 95.8713 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 186, 248) }
```

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

```
.background{ background-color: rgb(172,  
186, 248) }
```

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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