

Converting Colors

XYZ(51.4611, 54.4496, 66.9780)

Have a look what the booklet for
XYZ(51.4611, 54.4496, 66.9780)
contains.

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Color

**XYZ(51.4959, 54.5496,
66.8465)**

Conversions

Conversions Part 1

Format	Color
Hex	BBC4CF
RGB	187, 196, 207
RGB Percent	73%, 77%, 81%
CMY	0.2667, 0.2314, 0.1882
CMYK	0.10, 0.05, 0.00, 0.19
HSL	213°, 17%, 77%
HSV	213°, 10%, 81%
XYZ	51.4959, 54.5496, 66.8465
YIQ	194.5630, -8.8950, 1.5130

Conversions

Conversions Part 2

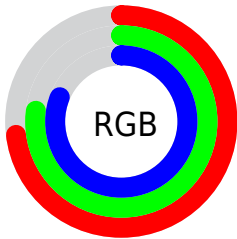
Format	Color
RYB	187, 193, 207
Decimal	12305615
CIELab	78.78, -0.93, -6.57
CIElCh	79, 6.631, 261.971
Yxy	54.5496, 0.2979, 0.3155
Android (android.graphics.Color)	4290495695 (0xFFBBC4CF)
YUV	194.5630, 6.1314, -6.6328
Hunter-Lab	73.8577, -4.7952, -1.9613

Details

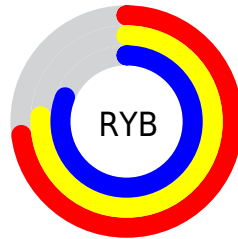
The XYZ color **51.4959, 54.5496, 66.8465** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **54.8961, 57.2411, 55.1700**, and the grayscale version is **51.5817, 54.2679, 59.0978**.

A 20% lighter version of the original color is **90.1374, 96.5252, 108.4882**, and **25.2543, 26.7142, 33.9623** is the 20% darker color. If you saturate the color by 10%, you get **44.3219, 47.1847, 65.8039**, and if you desaturate by 10%, it is **59.5979, 62.6849, 67.9906**.

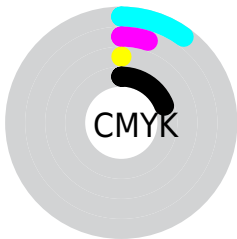
Distribution



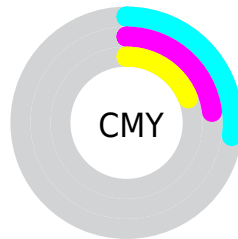
- Red (73%)
- Green (77%)
- Blue (81%)



- Red (73%)
- Yellow (76%)
- Blue (81%)



- Cyan (10%)
- Magenta (5%)
- Yellow (0%)
- Black (19%)



- Cyan (27%)
- Magenta (23%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 51.4959, 54.5496, 66.8465 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 51.4959, 54.5496, 66.8465 by changing the saturation by 10% instead.

■ 51.4959, 54.5496,
66.8465

■ 51.4959, 54.5496,
66.8465

382.8434,
404.2023, 467.8848

■ 36.8261, 39.0412,
48.4991

■ 91.5660, 96.8807,
116.3390

■ 25.2459, 26.7918,
33.8595

117.6970,
124.4723, 148.3211

■ 16.3901, 17.4169,
22.5092

148.3791,
156.8604, 185.6853

■ 9.8932, 10.5322,
14.0296

183.9776,
194.4294, 228.8500

■ 5.3899, 5.7532,
8.0023

224.8580,
237.5637, 278.2337

■ 2.5149, 2.6956,
4.0086

271.3855,

■ 0.9028, 0.9750,

286.6477, 334.2551

1.6301

323.9255,
342.0658, 397.3326

■ 0.0000, 0.0000,
0.3121

■ 0.0000, 0.0000,
0.0000

■ 51.4959, 54.5496,
66.8465

■ 51.4959, 54.5496,
66.8465

■ 44.3219, 47.1847,
65.8039

■ 59.5979, 62.6849,
67.9906

■ 38.0356, 40.5589,
64.8563

■ 68.6564, 71.6073,
69.2354

■ 32.6010, 34.6482,
64.0019

■ 78.7048, 81.3412,
70.5846

■ 27.9774, 29.4250,
63.2374

■ 84.1159, 88.9917,
71.7761

■ 24.1205, 24.8593,
62.5594

■ 87.6011, 95.9620,
72.9378

■ 20.9814, 20.9185,
61.9642

■ 88.2627, 97.2851,
73.1583

■ 18.5050, 17.5663,
61.4477

■ 16.6267, 14.7613,
61.0052

■ 15.2355, 12.4378,
60.6301

Harmonies

Analogous

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



50.3079, 54.5496, 65.2747



51.4959, 54.5496, 66.8465



52.7981, 54.5496, 66.3562

Triad

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



51.4959, 54.5496, 66.8465



54.2245, 54.5496, 56.7309



49.8844, 54.5496, 55.0511

Complementary

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



51.4959, 54.5496, 66.8465



54.8961, 57.2411, 55.1700

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.



50.9089, 54.5496, 52.9389



51.4959, 54.5496, 66.8465



53.4188, 54.5496, 53.8798

Square

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



51.4959, 54.5496, 66.8465



54.3881, 54.5496, 60.4110



52.2012, 54.5496, 52.5194



49.3878, 54.5496, 58.3910

Rectangle

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



51.4959, 54.5496, 66.8465



53.5546, 54.5496, 64.9349



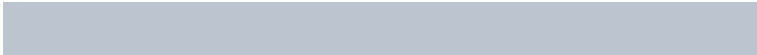
52.2012, 54.5496, 52.5194



50.1776, 54.5496, 54.1799

Sweetspot

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



51.4975, 54.5519, 66.8477



90.9641, 95.9233, 108.3285



52.9619, 59.2532, 61.8713



19.2414, 20.3025, 23.1546



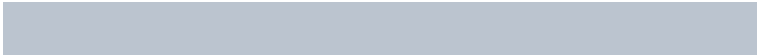
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



51.4975, 54.5519, 66.8477



79.5399, 84.3819, 106.7029



49.6908, 50.6957, 66.1986



11.5956, 12.2815, 15.0031



9.6637, 7.9741, 38.2223



0.6190, 0.6033, 2.1634

Inverse Universe

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



53.4675, 52.7927, 59.5991



83.4615, 80.9699, 92.2531



56.8296, 61.3840, 55.8677



12.0268, 11.8954, 13.4168



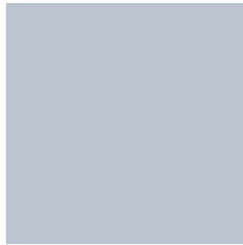
17.5085, 8.8763, 7.5841



1.0187, 0.5122, 0.6333

Previews

White Background



This preview shows how the XYZ color 51.4959, 54.5496, 66.8465 looks on a white background.

Color Contrast Check

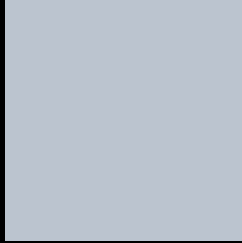
Large Text (above 18pt) WCAG AA × Fail

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 51.4959, 54.5496, 66.8465 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

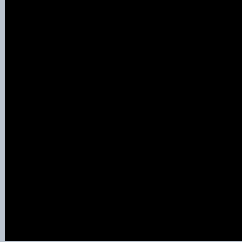
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

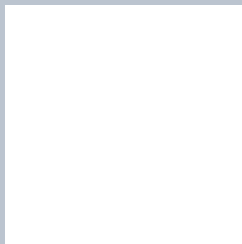
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 51.4959, 54.5496, 66.8465

Background



This preview shows how black text looks on a background with the XYZ color 51.4959, 54.5496, 66.8465.

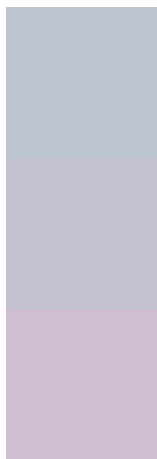


This preview shows how white text looks on a background with the XYZ color 51.4959, 54.5496,

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

51.4959, 54.5496, 66.8465

Protanopia

52.9380, 54.6419, 66.1493

Deuteranopia

55.5952, 54.3592, 67.2367



Tritanopia

52.0120, 54.4247, 69.3917

Trichromacy



Original Color

51.4959, 54.5496, 66.8465

Protanomaly

52.3939, 54.6929, 66.1879

Deuteranomaly

54.0542, 54.5327, 67.3514

Tritanomaly

51.8870, 54.3747, 68.7334

Monochromacy



Original Color

51.4959, 54.5496, 66.8465

Achromatopsia

51.8711, 54.5724, 59.4294

Achromatomaly

51.5621, 54.3602, 61.8078

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.4959, 54.5496, 66.8465 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(187, 196, 207)` looks like.

```
.text, #text, p{  
    color:rgb(187, 196, 207)  
}
```

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(187, 196, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 196, 207) }
```

Border

The CSS property to change the border of an element to XYZ 51.4959, 54.5496, 66.8465 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(187, 196, 207) }
```


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

```
.border{ border-color:rgb(187, 196, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 196, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 196, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 196, 207);  
box-shadow:4px 4px 4px 4px rgb(187, 196,  
207) }
```

Background

The CSS property to change the background color of an element to XYZ 51.4959, 54.5496, 66.8465 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 196, 207) }
```

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

```
.background{ background-color: rgb(187,  
196, 207) }
```

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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