

Converting Colors

XYZ(51.1959, 51.5407, 63.1271)

Have a look what the booklet for
XYZ(51.1959, 51.5407, 63.1271)
contains.

XYZ(51.1959, 51.5407, 63.1271)	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(51.1959, 51.5407,
63.1271)**

Conversions

Conversions Part 1

Format	Color
Hex	C4BBCA
RGB	196, 187, 202
RGB Percent	77%, 73%, 79%
CMY	0.2314, 0.2666, 0.2078
CMYK	0.03, 0.07, 0.00, 0.21
HSL	276°, 12%, 76%
HSV	276°, 7%, 79%
XYZ	51.1959, 51.5407, 63.1271
YIQ	191.4010, 0.5490, 6.5730

Conversions

Conversions Part 2

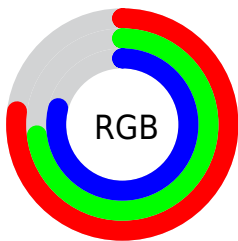
Format	Color
R _Y B	196, 187, 202
Decimal	12893130
CIE Lab	77.01, 5.93, -6.41
CIE LCh	77, 8.739, 312.773
Yxy	51.5407, 0.3087, 0.3107
Android (android.graphics.Color)	4291083210 (0xFFC4BBCA)
YUV	191.4010, 5.2253, 4.0333
Hunter-Lab	71.7919, 1.6554, -1.8798

Details

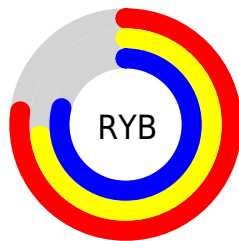
The XYZ color **51.1959, 51.5407, 63.1271** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **52.0845, 57.1677, 55.3057**, and the grayscale version is **49.7257, 52.3153, 56.9713**.

A 20% lighter version of the original color is **90.6086, 92.2038, 107.6293**, and **25.0257, 24.9391, 31.5117** is the 20% darker color. If you saturate the color by 10%, you get **45.1629, 42.5113, 61.7030**, and if you desaturate by 10%, it is **57.9479, 61.8384, 64.7597**.

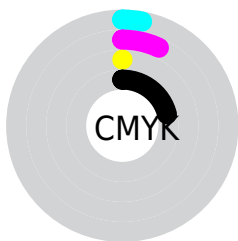
Distribution



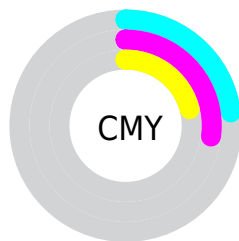
- Red (77%)
- Green (73%)
- Blue (79%)



- Red (77%)
- Yellow (73%)
- Blue (79%)



- Cyan (3%)
- Magenta (7%)
- Yellow (0%)
- Black (21%)



- Cyan (23%)
- Magenta (27%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 51.1959, 51.5407, 63.1271 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 51.1959, 51.5407, 63.1271 by changing the saturation by 10% instead.

■ 51.1959, 51.5407,
63.1271

■ 51.1959, 51.5407,
63.1271

381.6996,
392.6609, 454.1513

■ 36.5862, 36.6391,
45.5024

■ 91.1255, 92.4535,
110.9402

■ 25.0595, 24.9282,
31.5075

117.1762,
119.2335, 141.9657

■ 16.2503, 16.0236,
20.7239

147.7713,
150.7418, 178.2951

■ 9.7934, 9.5408,
12.7331

183.2760,
187.3627, 220.3471

■ 5.3234, 5.0956,
7.1164

224.0559,
229.4807, 268.5402

■ 2.4750, 2.3035,
3.4555

270.4762,

■ 0.8826, 0.7755,

277.4801, 323.2929

1.3316

322.9023,
331.7454, 385.0237

■ 0.0000, 0.0000,
0.0875

■ 0.0000, 0.0000,
0.0000

■ 51.1959, 51.5407,
63.1271

■ 51.1959, 51.5407,
63.1271

■ 45.1629, 42.5113,
61.7030

■ 57.9479, 61.8384,
64.7597

■ 39.8177, 34.6928,
60.4756

■ 65.4398, 73.4459,
66.6053

■ 35.1331, 28.0327,
59.4370

■ 73.6969, 86.4108,
68.6725

■ 31.0785, 22.4724,
58.5774

■ 78.5202, 92.3322,
69.5613

■ 27.6203, 17.9478,
57.8864

■ 81.1495, 93.6876,
69.6843

■ 24.7218, 14.3882,
57.3521

■ 83.9003, 95.1057,
69.8131

■ 22.3414, 11.7134,
56.9612

■ 86.7742, 96.5872,
69.9476

■ 20.4309, 9.8299,
56.6984

■ 87.6608, 97.0443,
69.9891

■ 18.9235, 8.6077,
56.5419

Harmonies

Analogous

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



49.6996, 51.5407, 65.5512



51.1959, 51.5407, 63.1271



52.1120, 51.5407, 58.8804

Triad

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



51.1959, 51.5407, 63.1271



49.9428, 51.5407, 47.8037



45.9294, 51.5407, 58.1722

Complementary

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



51.1959, 51.5407, 63.1271



52.0845, 57.1677, 55.3057

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.



45.9912, 51.5407, 53.4454



51.1959, 51.5407, 63.1271



48.2830, 51.5407, 47.6381

Square

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



51.1959, 51.5407, 63.1271



51.3774, 51.5407, 50.1159



46.8443, 51.5407, 49.6499



46.6736, 51.5407, 62.5834

Rectangle

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



51.1959, 51.5407, 63.1271



52.2580, 51.5407, 55.6763



46.8443, 51.5407, 49.6499



45.8571, 51.5407, 56.5642

Sweetspot

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



51.1974, 51.5429, 63.1282



92.6978, 96.4041, 108.3299



50.2815, 53.0817, 63.4735



19.8658, 20.6721, 23.1930



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.



51.1974, 51.5429, 63.1282



84.8629, 84.5213, 106.4492



52.6422, 52.3047, 62.4265



11.2364, 11.1712, 14.1344



12.0532, 5.4212, 36.3674



0.7060, 0.3231, 1.8801

Inverse Universe

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



51.7549, 51.9498, 57.7544



86.0226, 85.3661, 95.3444



50.7200, 56.4488, 55.9434



11.3952, 11.2868, 12.6156



16.6662, 8.4771, 5.9610



0.8970, 0.4522, 0.5034

Previews

White Background



This preview shows how the XYZ color 51.1959, 51.5407, 63.1271 looks on a white background.

Color Contrast Check

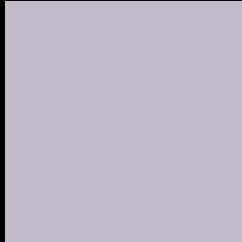
Large Text (above 18pt) WCAG AA × Fail

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 51.1959, 51.5407, 63.1271 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

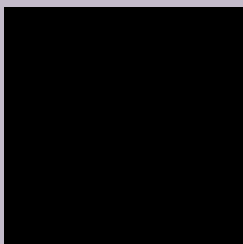
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

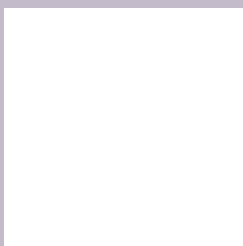
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 51.1959, 51.5407, 63.1271

Background



This preview shows how black text looks on a background with the XYZ color 51.1959, 51.5407, 63.1271.

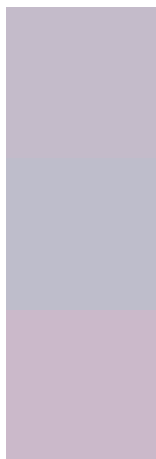


This preview shows how white text looks on a background with the XYZ color 51.1959, 51.5407,

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

51.1959, 51.5407, 63.1271

Protanopia

50.2123, 51.6541, 63.8237

Deuteranopia

52.6382, 51.6587, 63.0739



Tritanopia

51.1959, 51.5407, 63.1271

Trichromacy



Original Color

51.1959, 51.5407, 63.1271

Protanomaly

50.5009, 51.4847, 63.7758

Deuteranomaly

52.0390, 51.6614, 63.1060

Tritanomaly

51.1959, 51.5407, 63.1271

Monochromacy



Original Color

51.1959, 51.5407, 63.1271

Achromatopsia

49.5206, 52.0996, 56.7364

Achromatomaly

50.2561, 52.1045, 59.0382

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.1959, 51.5407, 63.1271 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(196, 187, 202)` looks like.

```
.text, #text, p{  
    color:rgb(196, 187, 202)  
}
```

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(196, 187, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 187, 202) }
```

Border

The CSS property to change the border of an element to XYZ 51.1959, 51.5407, 63.1271 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(196, 187, 202) }
```


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

```
.border{ border-color:rgb(196, 187, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 187, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 187, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 187, 202);  
box-shadow:4px 4px 4px 4px rgb(196, 187,  
202) }
```

Background

The CSS property to change the background color of an element to XYZ 51.1959, 51.5407, 63.1271 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 187, 202) }
```

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

```
.background{ background-color: rgb(196,  
187, 202) }
```

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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