

Converting Colors

XYZ(50.9168, 54.4485, 63.3941)

Have a look what the booklet for
XYZ(50.9168, 54.4485, 63.3941)
contains.

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Color

**XYZ(50.8941, 54.3089,
63.6774)**

Conversions

Conversions Part 1

Format	Color
Hex	BBC4CA
RGB	187, 196, 202
RGB Percent	73%, 77%, 79%
CMY	0.2667, 0.2314, 0.2078
CMYK	0.07, 0.03, 0.00, 0.21
HSL	204°, 12%, 76%
HSV	204°, 7%, 79%
XYZ	50.8941, 54.3089, 63.6774
YIQ	193.9930, -7.2900, -0.0420

Conversions

Conversions Part 2

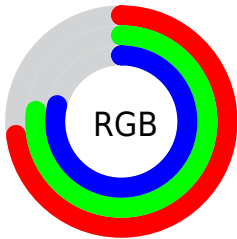
Format	Color
R _Y B	187, 193, 202
Decimal	12305610
CIE Lab	78.64, -1.92, -4.08
CIE LCh	79, 4.506, 244.800
Yxy	54.3089, 0.3014, 0.3216
Android (android.graphics.Color)	4290495690 (0xFFBBC4CA)
YUV	193.9930, 3.9475, -6.1329
Hunter-Lab	73.6946, -5.6919, 0.3554

Details

The XYZ color **50.8941, 54.3089, 63.6774** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **52.3969, 54.2839, 54.7308**, and the grayscale version is **51.2558, 53.9251, 58.7244**.

A 20% lighter version of the original color is **90.1374, 96.5252, 108.4882**, and **24.8498, 26.5525, 31.8324** is the 20% darker color. If you saturate the color by 10%, you get **44.5232, 48.3941, 62.8723**, and if you desaturate by 10%, it is **58.0614, 60.7828, 64.5501**.

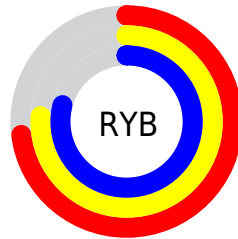
Distribution



Red (73%)

Green (77%)

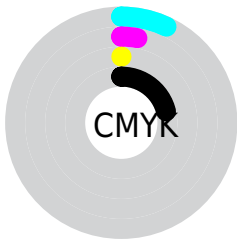
Blue (79%)



Red (73%)

Yellow (76%)

Blue (79%)

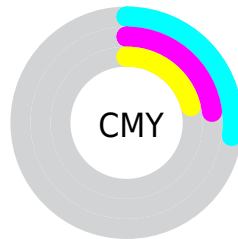


Cyan (7%)

Magenta (3%)

Yellow (0%)

Black (21%)



Cyan (27%)

Magenta (23%)

Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 50.8941, 54.3089, 63.6774 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 50.8941, 54.3089, 63.6774 by changing the saturation by 10% instead.

■ 50.8941, 54.3089,
63.6774

■ 50.8941, 54.3089,
63.6774

380.5466,
403.2868, 456.1992

■ 36.3450, 38.8487,
45.9449

■ 90.6821, 96.5276,
111.7412

■ 24.8721, 26.6420,
31.8540

116.6518,
124.0550, 142.9096

■ 16.1100, 17.3046,
20.9861

147.1591,
156.3734, 179.3937

■ 9.6934, 10.4519,
12.9227

182.5693,
193.8674, 221.6121

■ 5.2568, 5.6996,
7.2452

223.2478,
236.9214, 269.9833

■ 2.4350, 2.6633,
3.5352

269.5600,

■ 0.8626, 0.9586,

285.9197, 324.9259

1.3740

321.8711,
341.2467, 386.8583

■ 0.0000, 0.0000,
0.1213

■ 0.0000, 0.0000,
0.0000

■ 50.8941, 54.3089,
63.6774

■ 50.8941, 54.3089,
63.6774

■ 44.5232, 48.3941,
62.8723

■ 58.0614, 60.7828,
64.5501

■ 38.9136, 43.0135,
62.1295

■ 66.0489, 67.8259,
65.4885

■ 34.0343, 38.1505,
61.4480

■ 74.8855, 75.4567,
66.4957

■ 29.8505, 33.7846,
60.8258

■ 79.7292, 81.1811,
67.3453

■ 26.3242, 29.8939,
60.2606

■ 82.0071, 85.7369,
68.1046

■ 23.4134, 26.4541,
59.7501

■ 84.3903, 90.5032,
68.8990

■ 21.0708, 23.4383,
59.2915

■ 86.8800, 95.4826,
69.7289

■ 19.2413, 20.8154,
58.8816

■ 87.6608, 97.0443,
69.9892

■ 17.8487, 18.5434,
58.5165

Harmonies

Analogous

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



50.2271, 54.3089, 61.9733



50.8941, 54.3089, 63.6774



51.7622, 54.3089, 64.1503

Triad

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



50.8941, 54.3089, 63.6774



53.3423, 54.3089, 58.7242



50.6489, 54.3089, 55.2011

Complementary

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



50.8941, 54.3089, 63.6774



52.3969, 54.2839, 54.7308

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.



51.4760, 54.3089, 54.3846



50.8941, 54.3089, 63.6774



53.0363, 54.3089, 56.3812

Square

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



50.8941, 54.3089, 63.6774



53.1822, 54.3089, 61.2436



52.3507, 54.3089, 54.8104



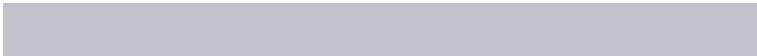
50.0867, 54.3089, 57.0718

Rectangle

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



50.8941, 54.3089, 63.6774



52.3398, 54.3089, 63.6926



52.3507, 54.3089, 54.8104



50.9048, 54.3089, 54.7967

Sweetspot

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



50.8957, 54.3112, 63.6786



92.5515, 97.7515, 108.5977



51.2127, 56.6459, 58.5414



19.8360, 20.9465, 23.2476



0.0000, 0.0000, 0.0000



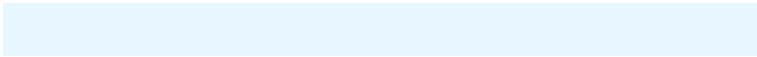
20.3446, 21.4041, 23.3091

Same Dimension

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



50.8957, 54.3112, 63.6786



84.2474, 90.1890, 107.5757



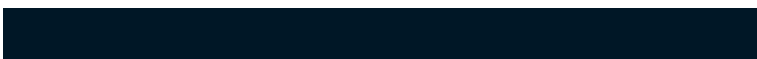
49.2989, 51.1177, 63.1464



11.1523, 11.9451, 14.2882



11.3678, 11.7595, 37.6269



0.6595, 0.7527, 1.9655

Inverse Universe

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



52.0925, 52.0838, 59.5348



86.7183, 85.6444, 99.0082



54.0399, 57.5698, 55.2785



11.4903, 11.3248, 13.1163



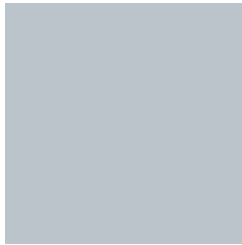
17.9488, 8.9901, 12.7151



0.9628, 0.4785, 0.8500

Previews

White Background



This preview shows how the XYZ color 50.8941, 54.3089, 63.6774 looks on a white background.

Color Contrast Check

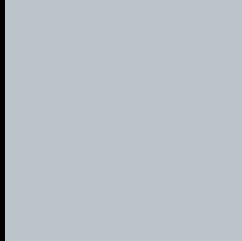
Large Text (above 18pt) WCAG AA × Fail

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 50.8941, 54.3089, 63.6774 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

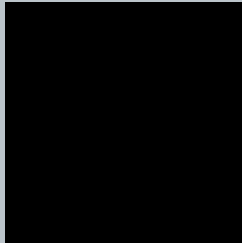
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

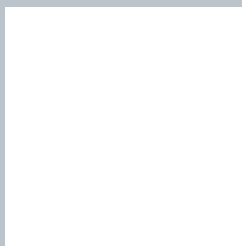
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 50.8941, 54.3089, 63.6774

Background



This preview shows how black text looks on a background with the XYZ color 50.8941, 54.3089, 63.6774.



This preview shows how white text looks on a background with the XYZ color 50.8941, 54.3089,

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

50.8941, 54.3089, 63.6774

Protanopia

52.2602, 54.0458, 62.3211

Deuteranopia

55.2716, 54.2623, 64.0605



Tritanopia

51.8870, 54.3747, 68.7334

Trichromacy



Original Color

50.8941, 54.3089, 63.6774

Protanomaly

51.8267, 54.1381, 62.9765

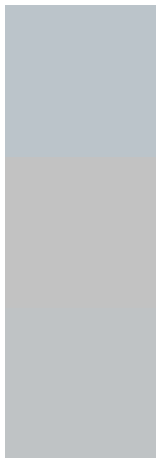
Deuteranomaly

53.7165, 54.4286, 64.1745

Tritanomaly

51.5166, 54.2266, 66.7830

Monochromacy



Original Color

50.8941, 54.3089, 63.6774

Achromatopsia

51.2775, 53.9479, 58.7493

Achromatomaly

51.0790, 54.1378, 60.5808

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.8941, 54.3089, 63.6774 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, 202)` looks like.

```
.text, #text, p{  
    color:rgb(187, 196, 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(187, 196, 202) colored shadow looks like.

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

Border

The CSS property to change the border of an element to XYZ 50.8941, 54.3089, 63.6774 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, 202) }
```


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

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

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, 202)` colored shadow looks like.

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

Background

The CSS property to change the background color of an element to XYZ 50.8941, 54.3089, 63.6774 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, 202) }
```

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

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