

Converting Colors

XYZ(49.3818, 51.4893, 55.0702)

Have a look what the booklet for
XYZ(49.3818, 51.4893, 55.0702)
contains.

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Color

**XYZ(49.2670, 51.3635,
54.8944)**

Conversions

Conversions Part 1

Format	Color
Hex	C1BDBC
RGB	193, 189, 188
RGB Percent	76%, 74%, 74%
CMY	0.2431, 0.2588, 0.2627
CMYK	0.00, 0.02, 0.03, 0.24
HSL	12°, 4%, 75%
HSV	12°, 3%, 76%
XYZ	49.2670, 51.3635, 54.8944
YIQ	190.0820, 2.7050, 0.5370

Conversions

Conversions Part 2

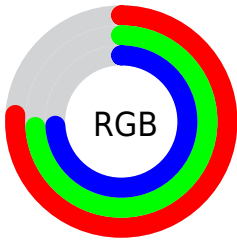
Format	Color
R_{YB}	193, 189, 188
Decimal	12697020
CIE Lab	76.90, 1.22, 0.99
CIE LCh	77, 1.572, 39.091
Yxy	51.3635, 0.3168, 0.3303
Android (android.graphics.Color)	4290887100 (0xFFC1BDBC)
YUV	190.0820, -1.0264, 2.5591
Hunter-Lab	71.6683, -2.7132, 4.7546

Details

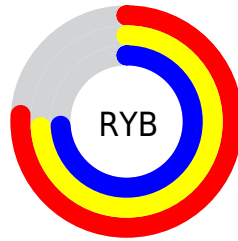
The XYZ color **49.2670, 51.3635, 54.8944** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **49.2142, 52.2401, 57.9422**, and the grayscale version is **48.9966, 51.5483, 56.1361**.

A 20% lighter version of the original color is **88.0485, 91.9762, 98.7005**, and **23.9926, 24.9330, 26.4697** is the 20% darker color. If you saturate the color by 10%, you get **44.1807, 44.3003, 43.6114**, and if you desaturate by 10%, it is **54.9875, 59.2484, 67.7628**.

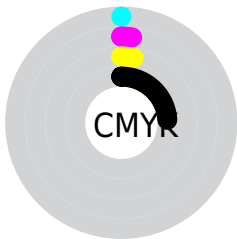
Distribution



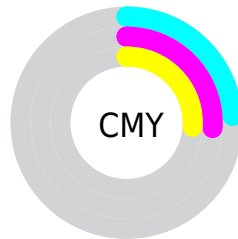
- Red (76%)
- Green (74%)
- Blue (74%)



- Red (76%)
- Yellow (74%)
- Blue (74%)



- Cyan (0%)
- Magenta (2%)
- Yellow (3%)
- Black (24%)



- Cyan (24%)
- Magenta (26%)
- Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.2670, 51.3635, 54.8944 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 49.2670, 51.3635, 54.8944 by changing the saturation by 10% instead.

■ 49.2670, 51.3635,
54.8944

■ 49.2670, 51.3635,
54.8944

374.2920,
391.9744, 422.7822

■ 35.0467, 36.4980,
38.9192

■ 88.2862, 92.1919,
98.8558

■ 23.8656, 24.8190,
26.3895

113.8159,
118.9235, 127.6791

■ 15.3581, 15.9423,
16.8869

143.8461,
150.3793, 161.6221

■ 9.1591, 9.4833,
9.9928

178.7421,
186.9436, 201.1033

■ 4.9030, 5.0578,
5.2886

218.8694,
229.0009, 246.5415

■ 2.2246, 2.2812,
2.3559

264.5932,

■ 0.7557, 0.7637,

276.9355, 298.3549

0.7623

316.2790,
331.1319, 356.9623

■ 0.0000, 0.0000,
0.0000

■ 49.2670, 51.3635,
54.8944

■ 49.2670, 51.3635,
54.8944

■ 44.1807, 44.3003,
43.6114

■ 54.9875, 59.2484,
67.7628

■ 39.7022, 38.0258,
33.8491

■ 61.3587, 67.9735,
82.2712

■ 35.8099, 32.5145,
25.5432

■ 68.4019, 77.5651,
98.4760

■ 32.4788, 27.7368,
18.6234

■ 74.4496, 87.3716,
107.5482

■ 29.6826, 23.6617,
13.0139

■ 75.8026, 90.0776,
107.9992

■ 27.3925, 20.2553,
8.6312

■ 25.5767, 17.4814,
5.3824

■ 24.2001, 15.2997,
3.1610

■ 23.2216, 13.6655,
1.8400

Harmonies

Analogous

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



49.3893, 51.3635, 55.6664



49.2670, 51.3635, 54.8944



49.0249, 51.3635, 54.4022

Triad

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



49.2670, 51.3635, 54.8944



48.2844, 51.3635, 55.3406



48.9104, 51.3635, 57.5676

Complementary

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



49.2670, 51.3635, 54.8944



49.2142, 52.2401, 57.9422

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.



48.6146, 51.3635, 57.4782



49.2670, 51.3635, 54.8944



48.2540, 51.3635, 56.1867

Square

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



49.2670, 51.3635, 54.8944



48.4579, 51.3635, 54.6580



48.3747, 51.3635, 56.9707



49.1828, 51.3635, 57.2137

Rectangle

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



49.2670, 51.3635, 54.8944



48.8286, 51.3635, 54.2961



48.3747, 51.3635, 56.9707



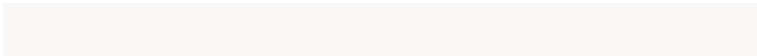
48.8104, 51.3635, 57.5885

Sweetspot

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



49.2684, 51.3657, 54.8955



89.7764, 94.1206, 101.7558



49.4906, 51.1104, 57.1267



19.2709, 20.2070, 21.8543



92.9021, 97.7402, 106.4391



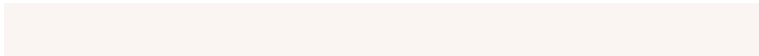
19.4759, 20.4902, 22.3138

Same Dimension

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



49.2684, 51.3657, 54.8955



87.7990, 91.3864, 97.3339



49.8101, 52.4491, 55.0761



10.8811, 11.2969, 11.9685



15.1506, 8.5869, 0.8589



0.7042, 0.4702, 0.0536

Inverse Universe

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



49.2142, 52.2401, 57.9422



87.6852, 93.2227, 103.7326



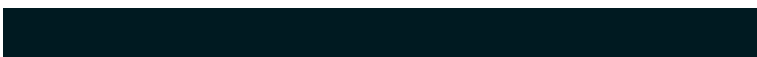
48.6707, 51.1530, 57.7610



10.8637, 11.5777, 12.9470



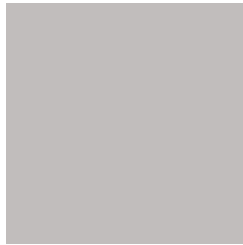
14.1746, 18.1058, 36.3043



0.6571, 0.8716, 1.5835

Previews

White Background



This preview shows how the XYZ color 49.2670, 51.3635, 54.8944 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 49.2670, 51.3635, 54.8944 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

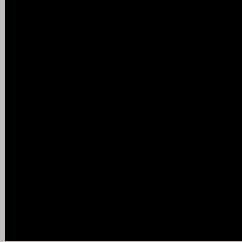
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

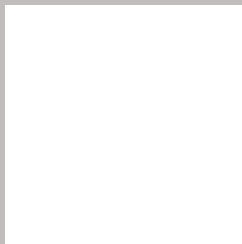
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 49.2670, 51.3635, 54.8944

Background



This preview shows how black text looks on a background with the XYZ color 49.2670, 51.3635, 54.8944.

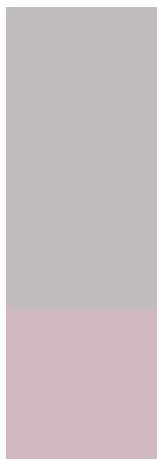


This preview shows how white text looks on a background with the XYZ color 49.2670, 51.3635,

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

49.2670, 51.3635, 54.8944

Protanopia

49.2670, 51.3635, 54.8944

Deuteranopia

52.3382, 51.3650, 55.3000



Tritanopia

50.9367, 51.4070, 63.1150

Trichromacy



Original Color

49.2670, 51.3635, 54.8944

Protanomaly

49.2670, 51.3635, 54.8944

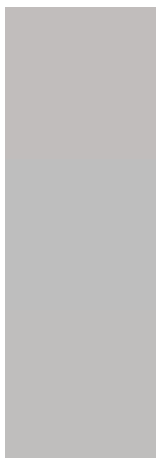
Deuteranomaly

51.3728, 51.4884, 55.3747

Tritanomaly

50.3094, 51.4670, 60.1059

Monochromacy



Original Color

49.2670, 51.3635, 54.8944

Achromatopsia

48.9429, 51.4918, 56.0745

Achromatomaly

49.0846, 51.5774, 55.5125

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.2670, 51.3635, 54.8944 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(193, 189, 188)` looks like.

```
.text, #text, p{  
    color:rgb(193, 189, 188)  
}
```

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(193, 189, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 189, 188) }
```

Border

The CSS property to change the border of an element to XYZ 49.2670, 51.3635, 54.8944 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(193, 189, 188) }
```


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

```
.border{ border-color:rgb(193, 189, 188) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 189, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 189, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 189, 188);  
box-shadow:4px 4px 4px 4px rgb(193, 189,  
188) }
```

Background

The CSS property to change the background color of an element to XYZ 49.2670, 51.3635, 54.8944 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 189, 188) }
```

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

```
.background{ background-color: rgb(193,  
189, 188) }
```

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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