

Converting Colors

XYZ(48.9690, 54.2939, 50.0183)

Have a look what the booklet for
XYZ(48.9690, 54.2939, 50.0183)
contains.

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Color

**XYZ(48.9690, 54.2939,
50.0183)**

Conversions

Conversions Part 1

Format	Color
Hex	BCC6B2
RGB	188, 198, 178
RGB Percent	74%, 78%, 70%
CMY	0.2627, 0.2235, 0.3020
CMYK	0.05, 0.00, 0.10, 0.22
HSL	90°, 15%, 74%
HSV	90°, 10%, 78%
XYZ	48.9690, 54.2939, 50.0183
YIQ	192.7300, 0.4600, -8.3400

Conversions

Conversions Part 2

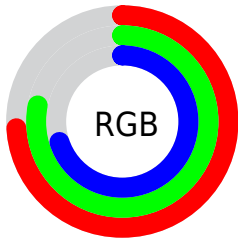
Format	Color
RYB	178, 198, 188
Decimal	12371634
CIELab	78.63, -7.07, 8.84
CIELCh	79, 11.318, 128.634
Yxy	54.2939, 0.3195, 0.3542
Android (android.graphics.Color)	4290561714 (0xFFBCC6B2)
YUV	192.7300, -7.2619, -4.1482
Hunter-Lab	73.6844, -10.3206, 11.3320

Details

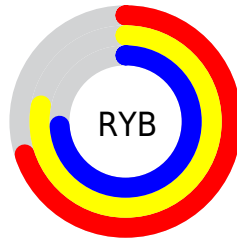
The XYZ color **48.9690, 54.2939, 50.0183** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **46.8546, 46.6109, 59.9563**, and the grayscale version is **50.5724, 53.2061, 57.9414**.

A 20% lighter version of the original color is **87.9195, 96.6936, 91.8718**, and **23.6666, 26.5781, 23.2848** is the 20% darker color. If you saturate the color by 10%, you get **44.7668, 52.3425, 40.1822**, and if you desaturate by 10%, it is **53.6286, 56.4511, 61.3760**.

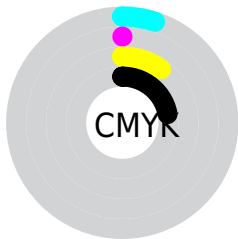
Distribution



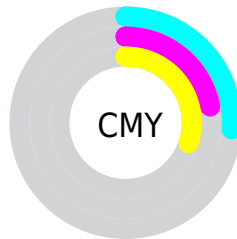
- Red (74%)
- Green (78%)
- Blue (70%)



- Red (70%)
- Yellow (78%)
- Blue (74%)



- Cyan (5%)
- Magenta (0%)
- Yellow (10%)
- Black (22%)



- Cyan (26%)
- Magenta (22%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.9690, 54.2939, 50.0183 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 48.9690, 54.2939, 50.0183 by changing the saturation by 10% instead.

■ 48.9690, 54.2939,
50.0183

■ 48.9690, 54.2939,
50.0183

373.1392,
403.2298, 403.4746

■ 34.8093, 38.8367,
35.0567

■ 87.8464, 96.5056,
91.5986

■ 23.6819, 26.6327,
23.4226

113.2949,
124.0289, 119.0543

■ 15.2212, 17.2976,
14.6976

143.2369,
156.3431, 151.5118

■ 9.0621, 10.4469,
8.4632

178.0380,
193.8324, 189.3896

■ 4.8392, 5.6962,
4.3008

218.0634,
236.8813, 233.1062

■ 2.1870, 2.6613,
1.7917

263.6785,

■ 0.7359, 0.9576,

285.8743, 283.0802

0.4225

315.2487,
341.1956, 339.7302

■ 0.0000, 0.0000,
0.0000

■ 48.9690, 54.2939,
50.0183

■ 48.9690, 54.2939,
50.0183

■ 44.7668, 52.3425,
40.1822

■ 53.6286, 56.4511,
61.3760

■ 41.0019, 50.5833,
31.7996

■ 58.7559, 58.8133,
74.3126

■ 37.6594, 49.0116,
24.8024

■ 64.3664, 61.3888,
88.8865

■ 34.7214, 47.6198,
19.1158

■ 70.1166, 64.0407,
103.2733

■ 32.1688, 46.3999,
14.6576

■ 73.3417, 65.7033,
103.4242

■ 29.9804, 45.3430,
11.3367

■ 76.7495, 67.4601,
103.5837

■ 28.1325, 44.4391,
9.0491

■ 79.4852, 68.8703,
103.7117

■ 26.5978, 43.6768,
7.6718

■ 25.3387, 43.0419,
6.9724

Harmonies

Analogous

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



50.9625, 54.2939, 47.7691



48.9690, 54.2939, 50.0183



47.7069, 54.2939, 54.7472

Triad

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



48.9690, 54.2939, 50.0183



50.0555, 54.2939, 71.3295



55.9692, 54.2939, 57.2891

Complementary

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



48.9690, 54.2939, 50.0183



46.8546, 46.6109, 59.9563

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.



55.7093, 54.2939, 63.7130



48.9690, 54.2939, 50.0183



52.2523, 54.2939, 72.1328

Square

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



48.9690, 54.2939, 50.0183



48.3214, 54.2939, 67.1351



54.3334, 54.2939, 69.2568



55.0335, 54.2939, 51.7639

Rectangle

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



48.9690, 54.2939, 50.0183



47.4284, 54.2939, 58.8241



54.3334, 54.2939, 69.2568



56.0193, 54.2939, 59.4106

Sweetspot

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



48.9705, 54.2962, 50.0195



92.4490, 98.7986, 102.4766



49.3099, 51.1886, 49.4018



19.6419, 21.0795, 21.5761



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.



48.9705, 54.2962, 50.0195



85.1012, 95.3958, 84.7337



46.5916, 53.0699, 49.9082



10.9942, 12.1439, 11.3273



16.5762, 28.0406, 4.5387



0.8684, 1.3708, 0.2188

Inverse Universe

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



46.8546, 46.6109, 59.9563



80.6478, 79.2200, 105.6481



49.4042, 47.9252, 60.0756



10.5536, 10.5436, 13.3964



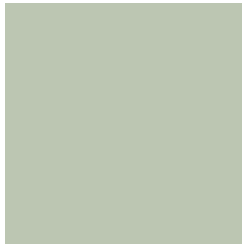
10.0753, 4.4283, 35.0681



0.5606, 0.2527, 1.6644

Previews

White Background



This preview shows how the XYZ color 48.9690, 54.2939, 50.0183 looks on a white background.

Color Contrast Check

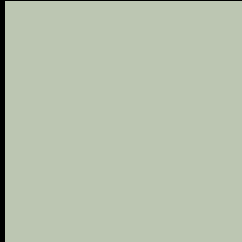
Large Text (above 18pt) WCAG AA × Fail

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 48.9690, 54.2939, 50.0183 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

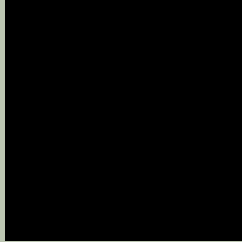
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

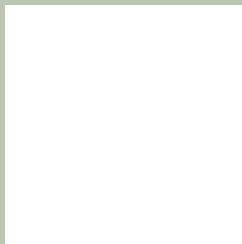
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 48.9690, 54.2939, 50.0183

Background



This preview shows how black text looks on a background with the XYZ color 48.9690, 54.2939, 50.0183.



This preview shows how white text looks on a background with the XYZ color 48.9690, 54.2939,

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

48.9690, 54.2939, 50.0183

Protanopia

51.4854, 54.2747, 48.8368

Deuteranopia

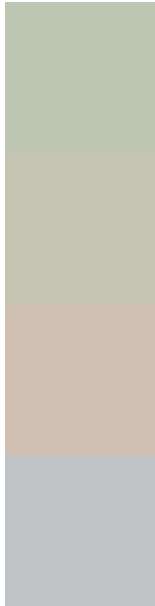
55.1349, 54.1672, 50.7294



Tritanopia

52.7927, 54.5245, 68.0634

Trichromacy



Original Color

48.9690, 54.2939, 50.0183

Protanomaly

50.4769, 54.0749, 49.3720

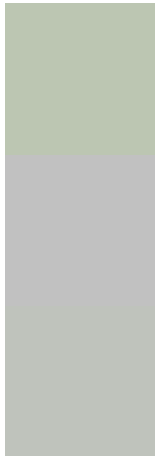
Deuteranomaly

52.7184, 54.2193, 50.3346

Tritanomaly

51.1940, 54.1838, 61.1864

Monochromacy



Original Color

48.9690, 54.2939, 50.0183

Achromatopsia

50.6879, 53.3276, 58.0738

Achromatomaly

50.0781, 53.7374, 55.3099

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.9690, 54.2939, 50.0183 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(188, 198, 178)` looks like.

```
.text, #text, p{  
    color:rgb(188, 198, 178)  
}
```

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(188, 198, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 198, 178) }
```

Border

The CSS property to change the border of an element to XYZ 48.9690, 54.2939, 50.0183 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(188, 198, 178) }
```


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

```
.border{ border-color:rgb(188, 198, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 198, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 198, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 198, 178);  
box-shadow:4px 4px 4px 4px rgb(188, 198,  
178) }
```

Background

The CSS property to change the background color of an element to XYZ 48.9690, 54.2939, 50.0183 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 198, 178) }
```

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

```
.background{ background-color: rgb(188,  
198, 178) }
```

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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