

Converting Colors

XYZ(49.6234, 50.8492, 51.5853)

Have a look what the booklet for
XYZ(49.6234, 50.8492, 51.5853)
contains.

XYZ(49.7670, 51.0602, 51.4886)	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(49.7670, 51.0602,
51.4886)**

Conversions

Conversions Part 1

Format	Color
Hex	C7BBB6
RGB	199, 187, 182
RGB Percent	78%, 73%, 71%
CMY	0.2196, 0.2666, 0.2863
CMYK	0.00, 0.06, 0.09, 0.22
HSL	18°, 13%, 75%
HSV	18°, 9%, 78%
XYZ	49.7670, 51.0602, 51.4886
YIQ	190.0180, 8.7570, 0.9890

Conversions

Conversions Part 2

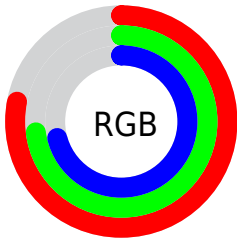
Format	Color
R _Y B	199, 189, 182
Decimal	13089718
CIE Lab	76.72, 3.36, 4.04
CIE LCh	77, 5.255, 50.203
Yxy	51.0602, 0.3267, 0.3352
Android (android.graphics.Color)	4291279798 (0xFFC7BBB6)
YUV	190.0180, -3.9529, 7.8772
Hunter-Lab	71.4564, -0.7295, 7.2975

Details

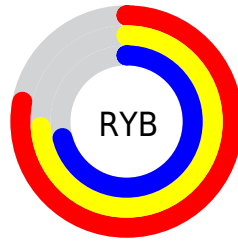
The XYZ color **49.7670, 51.0602, 51.4886** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **48.8918, 52.6511, 61.6191**, and the grayscale version is **48.9736, 51.5241, 56.1097**.

A 20% lighter version of the original color is **88.7232, 91.5342, 93.8806**, and **24.1646, 24.6549, 24.2541** is the 20% darker color. If you saturate the color by 10%, you get **45.0203, 44.6271, 40.4707**, and if you desaturate by 10%, it is **55.1002, 58.1974, 64.1451**.

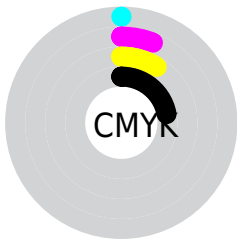
Distribution



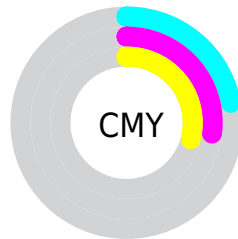
- Red (78%)
- Green (73%)
- Blue (71%)



- Red (78%)
- Yellow (74%)
- Blue (71%)



- Cyan (0%)
- Magenta (6%)
- Yellow (9%)
- Black (22%)



- Cyan (22%)
- Magenta (27%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.7670, 51.0602, 51.4886 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 49.7670, 51.0602, 51.4886 by changing the saturation by 10% instead.

■ 49.7670, 51.0602,
51.4886

■ 49.7670, 51.0602,
51.4886

376.2211,
390.7976, 409.3598

■ 35.4453, 36.2565,
36.2182

■ 89.0234, 91.7438,
93.7955

■ 24.1742, 24.6324,
24.3117

114.6889,
118.3924, 121.6690

■ 15.5884, 15.8034,
15.3507

144.8664,
149.7582, 154.5807

■ 9.3223, 9.3851,
8.9165

179.9213,
186.2255, 192.9490

■ 5.0108, 4.9932,
4.5907

220.2188,
228.1787, 237.1925

■ 2.2884, 2.2433,
1.9547

266.1244,

■ 0.7887, 0.7434,

276.0022, 287.7298

0.5272

318.0034,
330.0804, 344.9794

■ 0.0000, 0.0000,
0.0000

■ 49.7670, 51.0602,
51.4886

■ 49.7670, 51.0602,
51.4886

■ 45.0203, 44.6271,
40.4707

■ 55.1002, 58.1974,
64.1451

■ 40.8353, 38.8699,
31.0209

■ 61.0351, 66.0525,
78.5004

■ 37.1915, 33.7680,
23.0680

■ 67.5918, 74.6474,
94.6156

■ 34.0656, 29.2976,
16.5345

■ 73.7066, 83.5687,
106.8534

■ 31.4325, 25.4331,
11.3354

■ 77.3634, 90.8822,
108.0723

■ 29.2648, 22.1472,
7.3768

■ 27.5319, 19.4104,
4.5523

■ 26.1994, 17.1899,
2.7373

■ 25.2178, 15.4457,
1.7355

Harmonies

Analogous

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



50.3502, 51.0602, 53.7237



49.7670, 51.0602, 51.4886



48.8577, 51.0602, 50.3658

Triad

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



49.7670, 51.0602, 51.4886



46.6689, 51.0602, 54.6680



49.1954, 51.0602, 60.9021

Complementary

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



49.7670, 51.0602, 51.4886



48.8918, 52.6511, 61.6191

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.



48.2061, 51.0602, 61.1760



49.7670, 51.0602, 51.4886



46.7565, 51.0602, 57.5110

Square

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



49.7670, 51.0602, 51.4886



47.0750, 51.0602, 52.1596



47.3160, 51.0602, 59.9160



50.0171, 51.0602, 59.1799

Rectangle

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



49.7670, 51.0602, 51.4886



48.1929, 51.0602, 50.3721



47.3160, 51.0602, 59.9160



48.8711, 51.0602, 61.1688

Sweetspot

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



49.7684, 51.0624, 51.4897



92.1445, 96.1210, 101.9758



50.0400, 49.5020, 58.0650



19.5600, 20.3561, 21.4408



0.0000, 0.0000, 0.0000



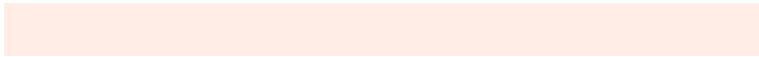
20.3446, 21.4041, 23.3091

Same Dimension

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



49.7684, 51.0624, 51.4897



85.7386, 87.5167, 86.8688



51.5834, 54.6924, 52.0947



10.8840, 11.1372, 11.1388



16.2037, 9.9245, 1.0616



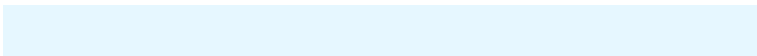
0.8312, 0.5979, 0.0716

Inverse Universe

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



48.8918, 52.6511, 61.6191



83.9350, 90.7847, 107.7071



47.0932, 49.0539, 61.0196



10.6729, 11.5199, 13.5785



12.7783, 14.9504, 36.9566



0.6656, 0.8291, 1.7701

Previews

White Background



This preview shows how the XYZ color 49.7670, 51.0602, 51.4886 looks on a white background.

Color Contrast Check

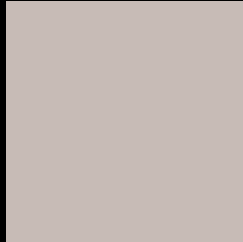
Large Text (above 18pt) WCAG AA × Fail

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 49.7670, 51.0602, 51.4886 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 49.7670, 51.0602, 51.4886

Background



This preview shows how black text looks on a background with the XYZ color 49.7670, 51.0602, 51.4886.



This preview shows how white text looks on a background with the XYZ color 49.7670, 51.0602,

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

49.7670, 51.0602, 51.4886

Protanopia

48.9930, 51.2834, 52.1162

Deuteranopia

52.0591, 50.9875, 51.8975



Tritanopia

51.5367, 50.8220, 61.1262

Trichromacy



Original Color

49.7670, 51.0602, 51.4886

Protanomaly

49.2954, 51.1211, 52.0690

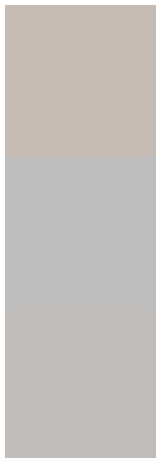
Deuteranomaly

51.1413, 50.8217, 51.9139

Tritanomaly

50.7940, 50.8275, 57.5856

Monochromacy



Original Color

49.7670, 51.0602, 51.4886

Achromatopsia

48.9429, 51.4918, 56.0745

Achromatomaly

49.1596, 51.3205, 54.3286

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.7670, 51.0602, 51.4886 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(199, 187, 182)` looks like.

```
.text, #text, p{  
    color:rgb(199, 187, 182)  
}
```

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(199, 187, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 187, 182) }
```

Border

The CSS property to change the border of an element to XYZ 49.7670, 51.0602, 51.4886 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(199, 187, 182) }
```


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

```
.border{ border-color:rgb(199, 187, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 187, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(199, 187, 182); -webkit-box-shadow:4px 4px 4px 4px rgb(199, 187, 182); box-shadow:4px 4px 4px 4px rgb(199, 187, 182) }
```

Background

The CSS property to change the background color of an element to XYZ 49.7670, 51.0602, 51.4886 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 187, 182) }
```

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

```
.background{ background-color: rgb(199,  
187, 182) }
```

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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