

Converting Colors

XYZ(49.8150, 51.8980, 56.6571)

Have a look what the booklet for
XYZ(49.8150, 51.8980, 56.6571)
contains.

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Color

**XYZ(49.8097, 51.9260,
56.6877)**

Conversions

Conversions Part 1

Format	Color
Hex	C1BEBF
RGB	193, 190, 191
RGB Percent	76%, 75%, 75%
CMY	0.2431, 0.2549, 0.2510
CMYK	0.00, 0.02, 0.01, 0.24
HSL	340°, 2%, 75%
HSV	340°, 2%, 76%
XYZ	49.8097, 51.9260, 56.6877
YIQ	191.0110, 1.4670, 0.9470

Conversions

Conversions Part 2

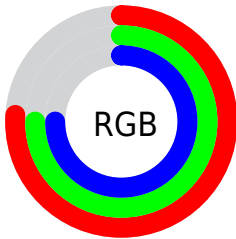
Format	Color
RYB	193, 190, 191
Decimal	12697279
CIELab	77.24, 1.23, -0.14
CIElCh	77, 1.241, 353.466
Yxy	51.9260, 0.3144, 0.3278
Android (android.graphics.Color)	4290887359 (0xFFC1BEBF)
YUV	191.0110, -0.0054, 1.7444
Hunter-Lab	72.0597, -2.7202, 3.7997

Details

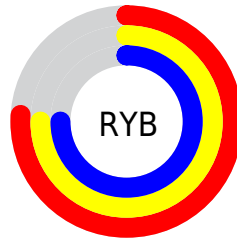
The XYZ color **49.8097, 51.9260, 56.6877** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **49.8215, 52.8941, 57.4554**, and the grayscale version is **49.5283, 52.1077, 56.7452**.

A 20% lighter version of the original color is **88.8112, 92.7667, 101.2206**, and **24.3483, 25.3017, 27.6452** is the 20% darker color. If you saturate the color by 10%, you get **44.5478, 43.5712, 48.2452**, and if you desaturate by 10%, it is **55.7528, 61.4423, 65.9736**.

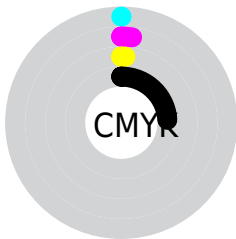
Distribution



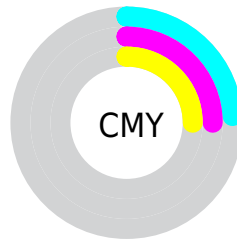
- Red (76%)
- Green (75%)
- Blue (75%)



- Red (76%)
- Yellow (75%)
- Blue (75%)



- Cyan (0%)
- Magenta (2%)
- Yellow (1%)
- Black (24%)



- Cyan (24%)
- Magenta (25%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.8097, 51.9260, 56.6877 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 49.8097, 51.9260, 56.6877 by changing the saturation by 10% instead.

■ 49.8097, 51.9260,
56.6877

■ 49.8097, 51.9260,
56.6877

376.3856,
394.1509, 429.7390

■ 35.4794, 36.9461,
40.3469

■ 89.0864, 93.0221,
101.5052

■ 24.2006, 25.1658,
27.4933

114.7634,
119.9071, 130.8189

■ 15.6081, 16.2006,
17.7083

144.9535,
151.5292, 165.2940

■ 9.3363, 9.6662,
10.5735

180.0218,
188.2729, 205.3490

■ 5.0201, 5.1782,
5.6703

220.3339,
230.5225, 251.4024

■ 2.2939, 2.3522,
2.5801

266.2549,

■ 0.7915, 0.8011,

278.6624, 303.8729

0.8822

318.1504,
333.0771, 363.1789

■ 0.0000, 0.0000,
0.0000

■ 49.8097, 51.9260,
56.6877

■ 49.8097, 51.9260,
56.6877

■ 44.5478, 43.5712,
48.2452

■ 55.7528, 61.4423,
65.9736

■ 39.9378, 36.3266,
40.6188

■ 62.3962, 72.1553,
76.1226

■ 35.9550, 30.1473,
33.7843

■ 69.7636, 84.1072,
87.1579

■ 32.5712, 24.9824,
27.7153

■ 73.8584, 89.2999,
97.7614

■ 29.7559, 20.7770,
22.3837

■ 75.8025, 90.0776,
107.9992

■ 27.4762, 17.4709,
17.7595

■ 25.6952, 14.9973,
13.8106

■ 24.3711, 13.2794,
10.5017

■ 23.4550, 12.2263,
7.7939

Harmonies

Analogous

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



49.7224, 51.9260, 57.3216



49.8097, 51.9260, 56.6877



49.7747, 51.9260, 56.0188

Triad

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



49.8097, 51.9260, 56.6877



49.1723, 51.9260, 55.3461



49.0825, 51.9260, 57.5972

Complementary

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



49.8097, 51.9260, 56.6877



49.8215, 52.8941, 57.4554

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.



48.9359, 51.9260, 57.0616



49.8097, 51.9260, 56.6877



48.9877, 51.9260, 55.7627

Square

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



49.8097, 51.9260, 56.6877



49.4061, 51.9260, 55.2477



48.9013, 51.9260, 56.3897



49.3021, 51.9260, 57.8494

Rectangle

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



49.8097, 51.9260, 56.6877



49.6867, 51.9260, 55.6427



48.9013, 51.9260, 56.3897



49.0230, 51.9260, 57.4441

Sweetspot

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



49.8112, 51.9282, 56.6888



90.7827, 95.5105, 104.0109



49.7790, 51.8861, 57.8440



19.4759, 20.4902, 22.3138



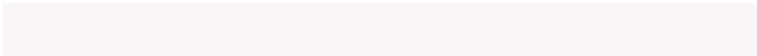
92.9021, 97.7402, 106.4391

Same Dimension

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



49.8112, 51.9282, 56.6888



88.7326, 92.2396, 100.7710



49.8102, 52.1012, 56.1492



11.1011, 11.5508, 12.6160



15.2801, 7.8018, 4.1213



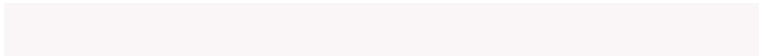
0.6926, 0.3500, 0.3485

Inverse Universe

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



49.8112, 51.9282, 56.6888



88.7326, 92.2396, 100.7710



49.8221, 52.7180, 58.0023



11.1011, 11.5508, 12.6160



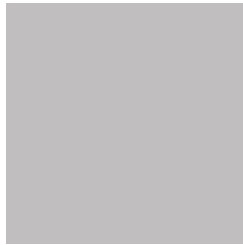
15.2801, 7.8018, 4.1213



0.6926, 0.3500, 0.3485

Previews

White Background



This preview shows how the XYZ color 49.8097, 51.9260, 56.6877 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 49.8097, 51.9260, 56.6877 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

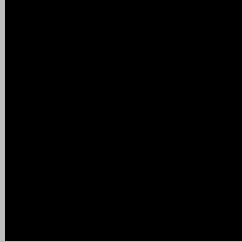
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

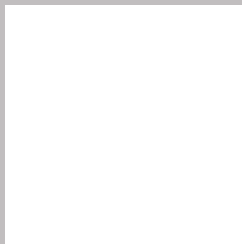
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 49.8097, 51.9260, 56.6877

Background



This preview shows how black text looks on a background with the XYZ color 49.8097, 51.9260, 56.6877.

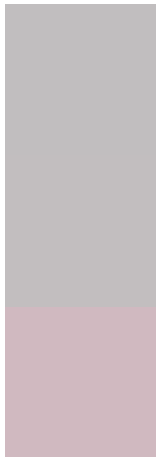


This preview shows how white text looks on a background with the XYZ color 49.8097, 51.9260,

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

49.8097, 51.9260, 56.6877

Protanopia

50.0656, 52.0578, 56.6996

Deuteranopia

52.8758, 51.9136, 57.1026



Tritanopia

51.2684, 51.8803, 63.8117

Trichromacy



Original Color

49.8097, 51.9260, 56.6877

Protanomaly

50.0656, 52.0578, 56.6996

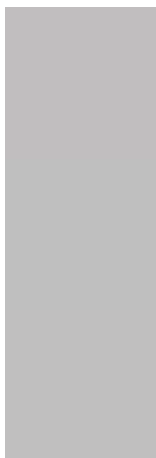
Deuteranomaly

51.9134, 52.0429, 57.1783

Tritanomaly

50.7545, 51.9880, 61.3925

Monochromacy



Original Color

49.8097, 51.9260, 56.6877

Achromatopsia

49.5206, 52.0996, 56.7364

Achromatomaly

49.7730, 52.2297, 56.7482

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.8097, 51.9260, 56.6877 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, 190, 191)` looks like.

```
.text, #text, p{  
    color:rgb(193, 190, 191)  
}
```

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, 190, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 190, 191) }
```

Border

The CSS property to change the border of an element to XYZ 49.8097, 51.9260, 56.6877 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, 190, 191) }
```

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

```
.border{ border-color:rgb(193, 190, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 190, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 190, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 190, 191);  
box-shadow:4px 4px 4px 4px rgb(193, 190,  
191) }
```


Background

The CSS property to change the background color of an element to XYZ 49.8097, 51.9260, 56.6877 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 190, 191) }
```

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

```
.background{ background-color: rgb(193,  
190, 191) }
```

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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