

Converting Colors

XYZ(49.6145, 51.1936, 57.7554)

Have a look what the booklet for
XYZ(49.6145, 51.1936, 57.7554)
contains.

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Color

**XYZ(49.6012, 51.1542,
57.7116)**

Conversions

Conversions Part 1

Format	Color
Hex	C1BCC1
RGB	193, 188, 193
RGB Percent	76%, 74%, 76%
CMY	0.2431, 0.2627, 0.2431
CMYK	0.00, 0.03, 0.00, 0.24
HSL	300°, 4%, 75%
HSV	300°, 3%, 76%
XYZ	49.6012, 51.1542, 57.7116
YIQ	190.0650, 1.3750, 2.6150

Conversions

Conversions Part 2

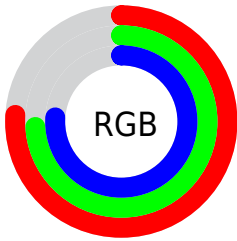
Format	Color
R _Y B	193, 188, 193
Decimal	12696769
CIE Lab	76.77, 2.67, -1.90
CIE LCh	77, 3.280, 324.506
Yxy	51.1542, 0.3130, 0.3228
Android (android.graphics.Color)	4290886849 (0xFFC1BCC1)
YUV	190.0650, 1.4470, 2.5740
Hunter-Lab	71.5222, -1.3726, 2.2241

Details

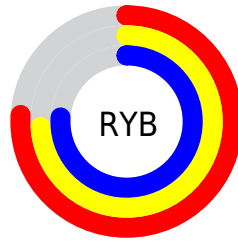
The XYZ color **49.6012, 51.1542, 57.7116** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **48.8881, 52.4636, 55.1294**, and the grayscale version is **48.9736, 51.5241, 56.1097**.

A 20% lighter version of the original color is **88.5165, 91.6807, 102.6533**, and **24.2128, 24.7968, 28.3211** is the 20% darker color. If you saturate the color by 10%, you get **45.7514, 43.4540, 56.4290**, and if you desaturate by 10%, it is **54.0053, 59.9615, 59.1802**.

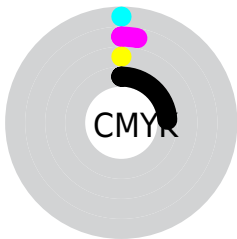
Distribution



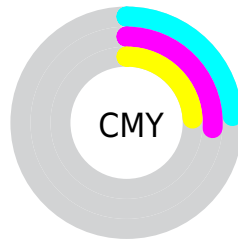
- Red (76%)
- Green (74%)
- Blue (76%)



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



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



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.6012, 51.1542, 57.7116 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 49.6012, 51.1542, 57.7116 by changing the saturation by 10% instead.

■ 49.6012, 51.1542,
57.7116

■ 49.6012, 51.1542,
57.7116

375.5822,
391.1626, 433.6786

■ 35.3131, 36.3313,
41.1637

■ 88.7791, 91.8827,
103.0134

■ 24.0718, 24.6902,
28.1263

114.3996,
118.5571, 132.6043

■ 15.5119, 15.8464,
18.1810

144.5283,
149.9508, 167.3800

■ 9.2681, 9.4155,
10.9093

179.5306,
186.4482, 207.7590

■ 4.9750, 5.0132,
5.8924

219.7717,
228.4336, 254.1598

■ 2.2672, 2.2550,
2.7121

265.6171,

■ 0.7778, 0.7497,

276.2916, 307.0010

0.9495

317.4322,
330.4065, 366.7011

■ 0.0000, 0.0000,
0.0000

■ 49.6012, 51.1542,
57.7116

■ 49.6012, 51.1542,
57.7116

■ 45.7514, 43.4540,
56.4290

■ 54.0053, 59.9615,
59.1802

■ 42.4297, 36.8109,
55.3218

■ 58.9799, 69.9104,
60.8384

■ 39.6146, 31.1808,
54.3835

■ 64.5457, 81.0420,
62.6936

■ 37.2810, 26.5139,
53.6056

■ 67.3790, 86.7082,
63.6380

■ 35.4021, 22.7562,
52.9794

■ 67.3791, 86.7083,
63.6380

■ 33.9482, 19.8487,
52.4948

■ 67.3792, 86.7083,
63.6380

■ 32.8862, 17.7249,
52.1408

■ 67.3793, 86.7084,
63.6380

■ 32.1781, 16.3089,
51.9048

■ 67.3795, 86.7085,
63.6380

■ 31.7784, 15.5096,
51.7716

■ 67.3796, 86.7085,
63.6380

Harmonies

Analogous

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



49.1185, 51.1542, 58.8747



49.6012, 51.1542, 57.7116



49.8213, 51.1542, 56.0270

Triad

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



49.6012, 51.1542, 57.7116



48.7352, 51.1542, 52.3565



47.5399, 51.1542, 57.1317

Complementary

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



49.6012, 51.1542, 57.7116



48.8881, 52.4636, 55.1294

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.



47.4392, 51.1542, 55.3708



49.6012, 51.1542, 57.7116



48.1259, 51.1542, 52.6381

Square

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



49.6012, 51.1542, 57.7116



49.3186, 51.1542, 52.9547



47.6529, 51.1542, 53.7322



47.9291, 51.1542, 58.5350

Rectangle

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



49.6012, 51.1542, 57.7116



49.7881, 51.1542, 54.8443



47.6529, 51.1542, 53.7322



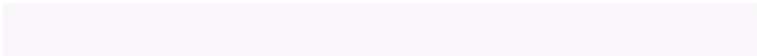
47.4714, 51.1542, 56.5609

Sweetspot

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



49.6027, 51.1564, 57.7127



90.0117, 93.9684, 103.7539



48.3680, 50.5463, 57.6600



19.3188, 20.1759, 22.2614



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.



49.6027, 51.1564, 57.7127



88.5003, 90.9458, 103.2501



49.3354, 51.0495, 56.3052



10.9886, 11.2300, 12.8733



21.0288, 10.1012, 34.3980



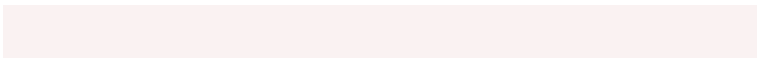
0.9086, 0.4364, 1.4862

Inverse Universe

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



49.0545, 50.9372, 54.8261



87.3484, 90.4850, 97.1839



49.1507, 52.5686, 56.5123



10.8124, 11.1596, 11.9457



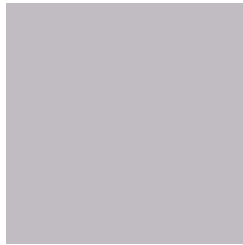
14.6275, 7.5408, 0.6847



0.6320, 0.3258, 0.0296

Previews

White Background



This preview shows how the XYZ color 49.6012, 51.1542, 57.7116 looks on a white background.

Color Contrast Check

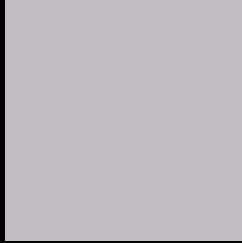
Large Text (above 18pt) WCAG AA × Fail

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 49.6012, 51.1542, 57.7116 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

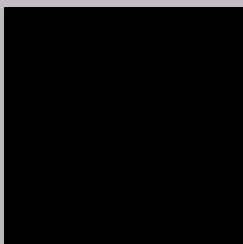
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

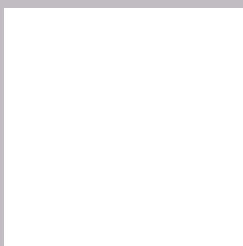
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 49.6012, 51.1542, 57.7116

Background



This preview shows how black text looks on a background with the XYZ color 49.6012, 51.1542, 57.7116.

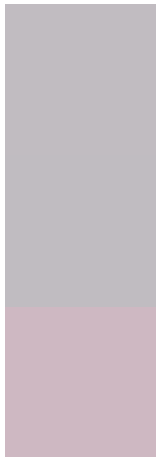


This preview shows how white text looks on a background with the XYZ color 49.6012, 51.1542,

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

49.6012, 51.1542, 57.7116

Protanopia

49.3471, 51.0232, 57.6997

Deuteranopia

52.3317, 51.2978, 58.1822



Tritanopia

50.5611, 51.2270, 62.4813

Trichromacy



Original Color

49.6012, 51.1542, 57.7116

Protanomaly

49.3471, 51.0232, 57.6997

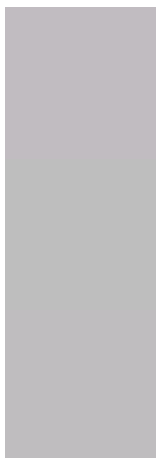
Deuteranomaly

51.1740, 51.0105, 58.1878

Tritanomaly

50.2115, 51.0872, 60.6405

Monochromacy



Original Color

49.6012, 51.1542, 57.7116

Achromatopsia

48.9429, 51.4918, 56.0745

Achromatomaly

49.0874, 51.2331, 56.5920

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.6012, 51.1542, 57.7116 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, 188, 193)` looks like.

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

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, 188, 193) colored shadow looks like.

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

Border

The CSS property to change the border of an element to XYZ 49.6012, 51.1542, 57.7116 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, 188, 193) }
```


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

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

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

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

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

Background

The CSS property to change the background color of an element to XYZ 49.6012, 51.1542, 57.7116 is called "background". The background property can be set on classes, ids or directly on the HTML element.

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

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

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

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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