

Converting Colors

XYZ(47.9444, 49.9321, 56.7852)

Have a look what the booklet for
XYZ(47.9444, 49.9321, 56.7852)
contains.

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Color

**XYZ(48.0238, 50.0378,
56.9963)**

Conversions

Conversions Part 1

Format	Color
Hex	BCBBC0
RGB	188, 187, 192
RGB Percent	74%, 73%, 75%
CMY	0.2627, 0.2666, 0.2471
CMYK	0.02, 0.03, 0.00, 0.25
HSL	252°, 4%, 74%
HSV	252°, 3%, 75%
XYZ	48.0238, 50.0378, 56.9963
YIQ	187.8690, -1.0090, 1.7670

Conversions

Conversions Part 2

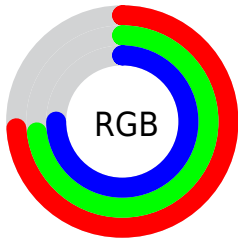
Format	Color
R _Y B	188, 187, 192
Decimal	12368832
CIE Lab	76.09, 1.29, -2.41
CIE LCh	76, 2.728, 298.165
Yxy	50.0378, 0.3097, 0.3227
Android (android.graphics.Color)	4290558912 (0xFFBCBBC0)
YUV	187.8690, 2.0366, 0.1149
Hunter-Lab	70.7374, -2.6064, 1.7436

Details

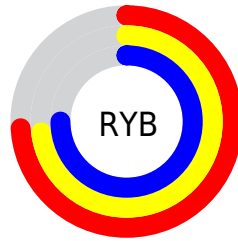
The XYZ color **48.0238, 50.0378, 56.9963** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **49.3070, 52.3648, 54.5249**, and the grayscale version is **47.7161, 50.2010, 54.6689**.

A 20% lighter version of the original color is **86.3021, 90.1116, 101.6516**, and **23.1770, 24.0652, 27.8496** is the 20% darker color. If you saturate the color by 10%, you get **40.6333, 40.5812, 55.5613**, and if you desaturate by 10%, it is **56.3650, 60.7957, 58.6339**.

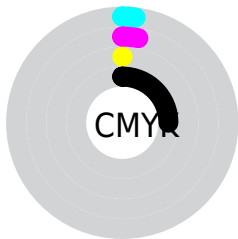
Distribution



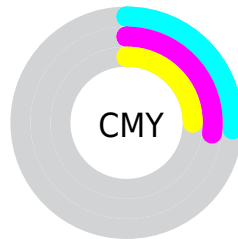
- Red (74%)
- Green (73%)
- Blue (75%)



- Red (74%)
- Yellow (73%)
- Blue (75%)



- Cyan (2%)
- Magenta (3%)
- Yellow (0%)
- Black (25%)



- Cyan (26%)
- Magenta (27%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.0238, 50.0378, 56.9963 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 48.0238, 50.0378, 56.9963 by changing the saturation by 10% instead.

■ 48.0238, 50.0378,
56.9963

■ 48.0238, 50.0378,
56.9963

369.4675,
386.8137, 430.9288

■ 34.0571, 35.4434,
40.5929

■ 86.4493, 90.2309,
101.9601

■ 23.1005, 24.0047,
27.6838

111.6388,
116.5984, 131.3576

■ 14.7889, 15.3371,
17.8505

141.2999,
147.6591, 165.9235

■ 8.7567, 9.0563,
10.6744

175.7981,
183.7973, 206.0764

■ 4.6387, 4.7779,
5.7369

215.4985,
225.3975, 252.2349

■ 2.0694, 2.1176,
2.6196

260.7667,

■ 0.6725, 0.6745,

272.8440, 304.8174

0.9025

311.9679,
326.5213, 364.2425

■ 0.0000, 0.0000,
0.0000

■ 48.0238, 50.0378,
56.9963

■ 48.0238, 50.0378,
56.9963

■ 40.6333, 40.5812,
55.5613

■ 56.3650, 60.7957,
58.6339

■ 34.1553, 32.3702,
54.3178

■ 65.6849, 72.8953,
60.4782

■ 28.5550, 25.3543,
53.2588

■ 76.0156, 86.3830,
62.5371

■ 23.7939, 19.4772,
52.3753

■ 84.5130, 95.5540,
63.8594

■ 19.8307, 14.6781,
51.6579

■ 86.5146, 96.5858,
63.9530

■ 16.6203, 10.8903,
51.0960

■ 14.1129, 8.0396,
50.6779

■ 12.2525, 6.0414,
50.3902

■ 10.9737, 4.7952,
50.2171

Harmonies

Analogous

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



47.5280, 50.0378, 57.3382



48.0238, 50.0378, 56.9963



48.3974, 50.0378, 55.9775

Triad

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



48.0238, 50.0378, 56.9963



48.0786, 50.0378, 52.1313



46.5860, 50.0378, 54.3928

Complementary

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



48.0238, 50.0378, 56.9963



49.3070, 52.3648, 54.5249

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.



46.7312, 50.0378, 53.0146



48.0238, 50.0378, 56.9963



47.5908, 50.0378, 51.7235

Square

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



48.0238, 50.0378, 56.9963



48.4292, 50.0378, 53.1678



47.0981, 50.0378, 52.0440



46.7001, 50.0378, 55.8191

Rectangle

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



48.0238, 50.0378, 56.9963



48.5257, 50.0378, 55.0607



47.0981, 50.0378, 52.0440



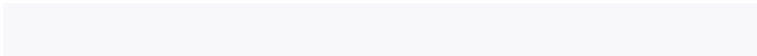
46.6061, 50.0378, 53.9087

Sweetspot

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



48.0252, 50.0399, 56.9974



89.2990, 93.6010, 103.7205



48.6586, 51.6700, 57.2786



19.1736, 20.1011, 22.2546



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.



48.0252, 50.0399, 56.9974



86.3849, 89.8553, 103.1511



48.6259, 50.3496, 57.0255



10.6648, 11.0631, 12.8581



6.9994, 2.8687, 33.7414



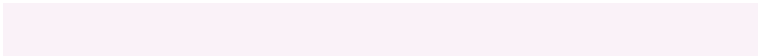
0.3594, 0.1533, 1.4605

Inverse Universe

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



48.9143, 50.5110, 56.4643



88.2668, 90.8524, 102.0203



48.7040, 52.0539, 54.4967



10.9527, 11.2157, 12.6845



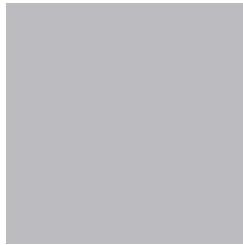
18.5635, 9.1151, 21.4111



0.8245, 0.4028, 1.0433

Previews

White Background



This preview shows how the XYZ color 48.0238, 50.0378, 56.9963 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 48.0238, 50.0378, 56.9963 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

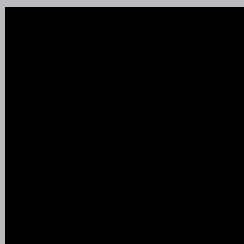
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 48.0238, 50.0378, 56.9963

Background



This preview shows how black text looks on a background with the XYZ color 48.0238, 50.0378, 56.9963.



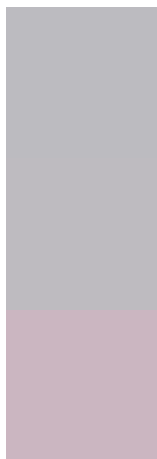
This preview shows how white text looks on a background with the XYZ color 48.0238, 50.0378,

56.9963.

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

48.0238, 50.0378, 56.9963

Protanopia

48.5200, 50.2936, 57.0195

Deuteranopia

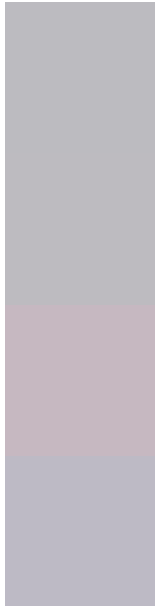
50.9822, 50.0027, 57.4165



Tritanopia

48.9705, 50.1068, 61.7341

Trichromacy



Original Color

48.0238, 50.0378, 56.9963

Protanomaly

48.2710, 50.1652, 57.0079

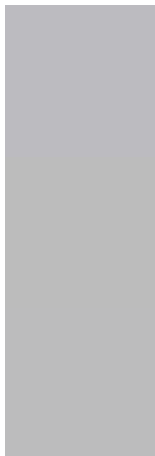
Deuteranomaly

50.0548, 50.1370, 57.4913

Tritanomaly

48.6232, 49.9678, 59.9054

Monochromacy



Original Color

48.0238, 50.0378, 56.9963

Achromatopsia

47.7994, 50.2886, 54.7643

Achromatomaly

47.9076, 50.3319, 55.3341

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.0238, 50.0378, 56.9963 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, 187, 192) looks like.

```
.text, #text, p{  
    color:rgb(188, 187, 192)  
}
```

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, 187, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 187, 192) }
```

Border

The CSS property to change the border of an element to XYZ 48.0238, 50.0378, 56.9963 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, 187, 192) }
```


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

```
.border{ border-color:rgb(188, 187, 192) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 187, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 187, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 187, 192);  
box-shadow:4px 4px 4px 4px rgb(188, 187,  
192) }
```

Background

The CSS property to change the background color of an element to XYZ 48.0238, 50.0378, 56.9963 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 187, 192) }
```

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

```
.background{ background-color: rgb(188,  
187, 192) }
```

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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