

Converting Colors

XYZ(49.2218, 53.0967, 56.7731)

Have a look what the booklet for
XYZ(49.2218, 53.0967, 56.7731)
contains.

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Color

**XYZ(49.4126, 53.3566,
56.9847)**

Conversions

Conversions Part 1

Format	Color
Hex	BBC3BF
RGB	187, 195, 191
RGB Percent	73%, 76%, 75%
CMY	0.2667, 0.2353, 0.2510
CMYK	0.04, 0.00, 0.02, 0.24
HSL	150°, 6%, 75%
HSV	150°, 4%, 76%
XYZ	49.4126, 53.3566, 56.9847
YIQ	192.1520, -3.4840, -2.9400

Conversions

Conversions Part 2

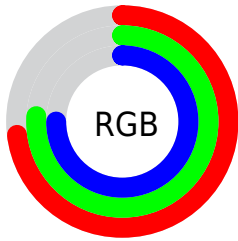
Format	Color
RYB	187, 192, 195
Decimal	12305343
CIELab	78.09, -3.50, 1.04
CIElCh	78, 3.650, 163.426
Yxy	53.3566, 0.3093, 0.3340
Android (android.graphics.Color)	4290495423 (0xFFBBC3BF)
YUV	192.1520, -0.5679, -4.5183
Hunter-Lab	73.0456, -7.0813, 4.8783

Details

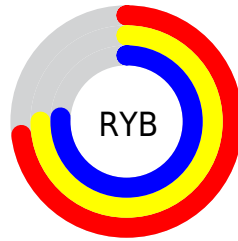
The XYZ color **49.4126, 53.3566, 56.9847** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **49.6820, 50.9057, 56.5002**, and the grayscale version is **50.1976, 52.8118, 57.5121**.

A 20% lighter version of the original color is **88.5611, 95.3909, 101.7403**, and **23.9438, 25.9531, 27.7922** is the 20% darker color. If you saturate the color by 10%, you get **43.9244, 50.6488, 51.3102**, and if you desaturate by 10%, it is **55.6232, 56.4316, 63.0685**.

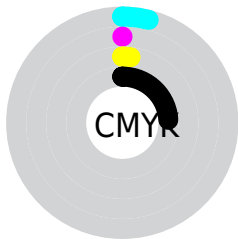
Distribution



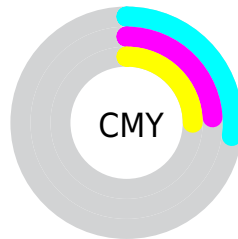
- Red (73%)
- Green (76%)
- Blue (75%)



- Red (73%)
- Yellow (75%)
- Blue (76%)



- Cyan (4%)
- Magenta (0%)
- Yellow (2%)
- Black (24%)



- Cyan (27%)
- Magenta (24%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.4126, 53.3566, 56.9847 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 49.4126, 53.3566, 56.9847 by changing the saturation by 10% instead.

■ 49.4126, 53.3566,
56.9847

■ 49.4126, 53.3566,
56.9847

374.8545,
399.6518, 430.8841

■ 35.1628, 38.0875,
40.5837

■ 88.5010, 95.1289,
101.9430

■ 23.9554, 26.0506,
27.6767

114.0703,
122.4009, 131.3373

■ 15.4251, 16.8615,
17.8452

144.1434,
154.4427, 165.8998

■ 9.2065, 10.1358,
10.6706

179.0858,
191.6386, 206.0491

■ 4.9343, 5.4891,
5.7344

219.2627,
234.3731, 252.2036

■ 2.2431, 2.5370,
2.6181

265.0395,

■ 0.7653, 0.8951,

283.0305, 304.7819

0.9018

316.7817,
337.9953, 364.2026

■ 0.0000, 0.0000,
0.0000

■ 49.4126, 53.3566,
56.9847

■ 49.4126, 53.3566,
56.9847

■ 43.9244, 50.6488,
51.3102

■ 55.6232, 56.4316,
63.0685

■ 39.1267, 48.2873,
46.0330

■ 62.5774, 59.8800,
69.5662

■ 34.9920, 46.2597,
41.1454

■ 70.3013, 63.7166,
76.4870

■ 31.4890, 44.5499,
36.6383

■ 75.0417, 66.0065,
83.6619

■ 28.5838, 43.1408,
32.5023

■ 76.4506, 66.5700,
91.0811

■ 26.2393, 42.0133,
28.7272

■ 77.9374, 67.1648,
98.9105

■ 24.4139, 41.1462,
25.3028

■ 78.8061, 67.5123,
103.4854

■ 23.0599, 40.5150,
22.2179

■ 22.1197, 40.0904,
19.4604

Harmonies

Analogous

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



49.7783, 53.3566, 55.2942



49.4126, 53.3566, 56.9847



49.3935, 53.3566, 59.0117

Triad

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



49.4126, 53.3566, 56.9847



51.0325, 53.3566, 61.9951



51.7149, 53.3566, 55.4417

Complementary

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



49.4126, 53.3566, 56.9847



49.6820, 50.9057, 56.5002

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.



52.0575, 53.3566, 57.1904



49.4126, 53.3566, 56.9847



51.6611, 53.3566, 60.9914

Square

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



49.4126, 53.3566, 56.9847



50.3242, 53.3566, 61.9369



52.0377, 53.3566, 59.2222



51.1055, 53.3566, 54.4177

Rectangle

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



49.4126, 53.3566, 56.9847



49.5795, 53.3566, 60.2836



52.0377, 53.3566, 59.2222



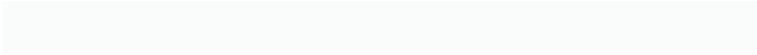
51.8654, 53.3566, 55.9625

Sweetspot

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



49.4141, 53.3589, 56.9859



91.7917, 97.1909, 105.3434



50.0061, 53.7142, 54.7468



20.1133, 21.2897, 23.0809



0.0000, 0.0000, 0.0000



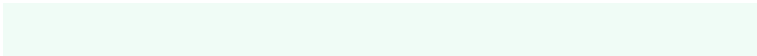
20.3446, 21.4041, 23.3091

Same Dimension

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



49.4141, 53.3589, 56.9859



87.4840, 95.0611, 101.0361



49.8458, 53.5315, 59.2589



10.6083, 11.5674, 12.2614



14.1426, 25.9511, 11.9097



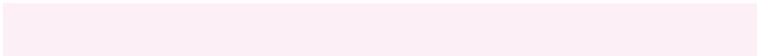
0.6459, 1.1352, 0.6978

Inverse Universe

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



49.6820, 50.9057, 56.5002



88.0737, 89.6607, 99.9669



49.2616, 50.7376, 54.2864



10.6877, 10.8408, 12.1175



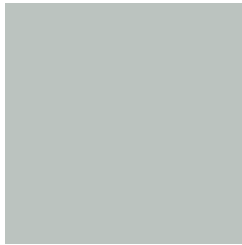
16.0888, 8.1253, 8.3794



0.7299, 0.3650, 0.5453

Previews

White Background



This preview shows how the XYZ color 49.4126, 53.3566, 56.9847 looks on a white background.

Color Contrast Check

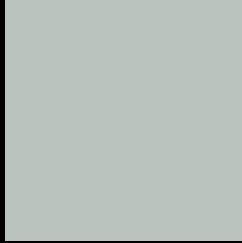
Large Text (above 18pt) WCAG AA × Fail

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 49.4126, 53.3566, 56.9847 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

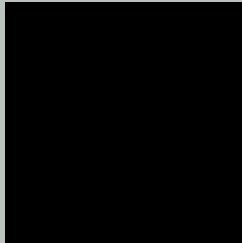
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

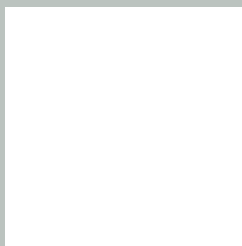
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 49.4126, 53.3566, 56.9847

Background



This preview shows how black text looks on a background with the XYZ color 49.4126, 53.3566, 56.9847.



This preview shows how white text looks on a background with the XYZ color 49.4126, 53.3566,

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

49.4126, 53.3566, 56.9847

Protanopia

51.0609, 53.2437, 55.7300

Deuteranopia

54.2599, 53.2398, 57.8686



Tritanopia

51.4700, 53.2005, 67.2305

Trichromacy



Original Color

49.4126, 53.3566, 56.9847

Protanomaly

50.3565, 53.1951, 56.3288

Deuteranomaly

52.2850, 53.1892, 57.3800

Tritanomaly

50.7169, 53.2230, 63.4771

Monochromacy



Original Color

49.4126, 53.3566, 56.9847

Achromatopsia

50.1023, 52.7115, 57.4028

Achromatomaly

49.8196, 52.8928, 57.4527

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.4126, 53.3566, 56.9847 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(187, 195, 191) looks like.

```
.text, #text, p{  
    color:rgb(187, 195, 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(187, 195, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 195, 191) }
```

Border

The CSS property to change the border of an element to XYZ 49.4126, 53.3566, 56.9847 is called "border". The border property can be set on classes, ids or directly on the HTML element.

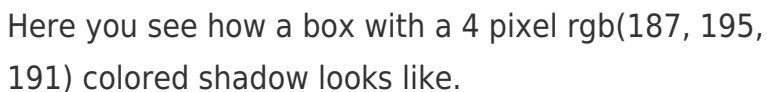
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(187, 195, 191) }
```


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

```
.border{ border-color:rgb(187, 195, 191) }
```

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



Here you see how a box with a 4 pixel `rgb(187, 195, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(187, 195, 191); -webkit-box-shadow:4px 4px 4px 4px rgb(187, 195, 191); box-shadow:4px 4px 4px 4px rgb(187, 195, 191) }
```

Background

The CSS property to change the background color of an element to XYZ 49.4126, 53.3566, 56.9847 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 195, 191) }
```

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

```
.background{ background-color: rgb(187,  
195, 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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