

Converting Colors

XYZ(49.4923, 56.4160, 60.7165)

Have a look what the booklet for
XYZ(49.4923, 56.4160, 60.7165)
contains.

XYZ(49.4612, 56.4014, 60.5042)	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(49.4612, 56.4014,
60.5042)**

Conversions

Conversions Part 1

Format	Color
Hex	B0CCC4
RGB	176, 204, 196
RGB Percent	69%, 80%, 77%
CMY	0.3098, 0.2000, 0.2314
CMYK	0.14, 0.00, 0.04, 0.20
HSL	163°, 22%, 75%
HSV	163°, 14%, 80%
XYZ	49.4612, 56.4014, 60.5042
YIQ	194.7160, -14.1200, -8.4240

Conversions

Conversions Part 2

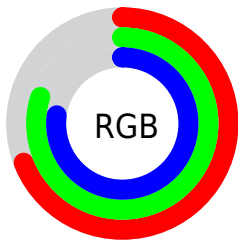
Format	Color
R_{YB}	176, 192, 204
Decimal	11586756
CIE _{Lab}	79.84, -10.94, 0.82
CIE _{LCh}	80, 10.969, 175.724
Yxy	56.4014, 0.2973, 0.3390
Android (android.graphics.Color)	4289776836 (0xFFB0CCC4)
YUV	194.7160, 0.6330, -16.4139
Hunter-Lab	75.1009, -13.8670, 4.8043

Details

The XYZ color **49.4612, 56.4014, 60.5042** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **49.0810, 47.3503, 51.9027**, and the grayscale version is **51.7065, 54.3993, 59.2408**.

A 20% lighter version of the original color is **86.7683, 95.7677, 106.8403**, and **23.9572, 27.9766, 29.7285** is the 20% darker color. If you saturate the color by 10%, you get **44.5402, 53.9413, 56.8775**, and if you desaturate by 10%, it is **55.1044, 59.2339, 64.3017**.

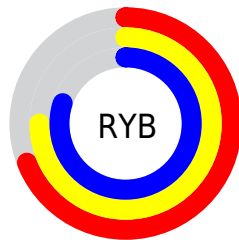
Distribution



Red (69%)

Green (80%)

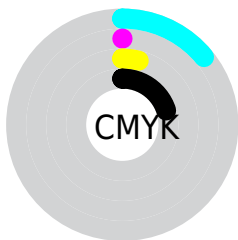
Blue (77%)



Red (69%)

Yellow (75%)

Blue (80%)

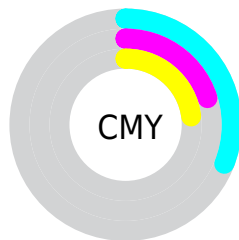


Cyan (14%)

Magenta (0%)

Yellow (4%)

Black (20%)



Cyan (31%)

Magenta (20%)

Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.4612, 56.4014, 60.5042 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 49.4612, 56.4014, 60.5042 by changing the saturation by 10% instead.

 49.4612, 56.4014,
60.5042

 49.4612, 56.4014,
60.5042


375.0421,
411.2025, 444.3099

 35.2015, 40.5248,
43.3972


 88.5727, 99.5912,
107.1112

 23.9854, 27.9480,
29.8632


114.1551,
127.6733, 137.4484

 15.4475, 18.2865,
19.4836


144.2426,
160.5926, 173.0327

 9.2224, 11.1558,
11.8399

179.2004,
198.7336, 214.2826

 4.9448, 6.1718,
6.5135

219.3939,
242.4807, 261.6168

 2.2493, 2.9498,
3.0860

265.1884,

 0.7685, 1.1056,

292.2183, 315.4537

1.1387

316.9494,
348.3308, 376.2119

■ 0.0000, 0.0000,
0.0000

■ 49.4612, 56.4014,
60.5042

■ 49.4612, 56.4014,
60.5042

■ 44.5402, 53.9413,
56.8775

■ 55.1044, 59.2339,
64.3017

■ 40.3055, 51.8304,
53.4148

■ 61.4942, 62.4468,
68.2692

■ 36.7252, 50.0541,
50.1144

■ 68.6597, 66.0565,
72.4105

■ 33.7630, 48.5935,
46.9730

■ 75.6627, 69.5794,
76.6832

■ 31.3791, 47.4282,
43.9871

■ 76.4455, 69.8925,
80.8053

■ 29.5285, 46.5350,
41.1530

■ 77.2554, 70.2165,
85.0705

■ 28.1598, 45.8874,
38.4666

■ 78.0928, 70.5514,
89.4802

■ 27.2104, 45.4533,
35.9233

■ 78.9579, 70.8975,
94.0357

■ 26.7590, 45.2539,
34.3968

■ 79.8510, 71.2547,
98.7385

Harmonies

Analogous

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



50.1560, 56.4014, 54.7783



49.4612, 56.4014, 60.5042



49.8521, 56.4014, 66.8741

Triad

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



49.4612, 56.4014, 60.5042



55.4827, 56.4014, 73.1013



56.0489, 56.4014, 51.8498

Complementary

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



49.4612, 56.4014, 60.5042



49.0810, 47.3503, 51.9027

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.



57.5477, 56.4014, 56.2548



49.4612, 56.4014, 60.5042



57.2145, 56.4014, 68.5598

Square

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



49.4612, 56.4014, 60.5042



53.2901, 56.4014, 74.4324



57.9800, 56.4014, 62.3279



53.9269, 56.4014, 50.0053

Rectangle

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



49.4612, 56.4014, 60.5042



50.6816, 56.4014, 70.5907



57.9800, 56.4014, 62.3279



56.6446, 56.4014, 53.0648

Sweetspot

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



49.4628, 56.4038, 60.5055



90.9306, 97.9302, 106.2759



49.2943, 56.5627, 49.3948



19.3019, 20.8803, 22.6429



0.0000, 0.0000, 0.0000



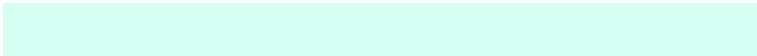
20.3446, 21.4041, 23.3091

Same Dimension

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



49.4628, 56.4038, 60.5055



79.7790, 92.3379, 98.6813



49.0911, 54.1632, 64.9967



11.4012, 12.6702, 13.6704



16.8834, 28.4987, 21.8689



0.9027, 1.4829, 1.2950

Inverse Universe

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



49.0810, 47.3503, 51.9027



79.0455, 74.9378, 82.1494



49.3863, 49.2659, 47.9815



11.3420, 11.2655, 12.3354



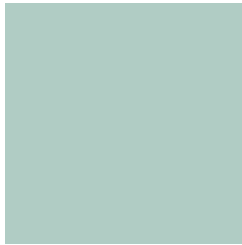
16.1941, 8.2882, 3.4750



0.8686, 0.4408, 0.3538

Previews

White Background



This preview shows how the XYZ color 49.4612, 56.4014, 60.5042 looks on a white background.

Color Contrast Check

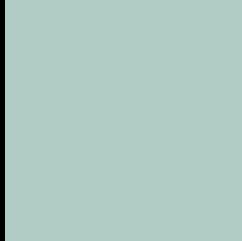
Large Text (above 18pt) WCAG AA × Fail

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 49.4612, 56.4014, 60.5042 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

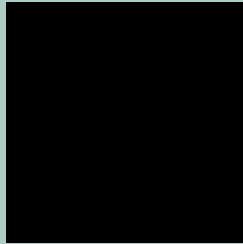
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

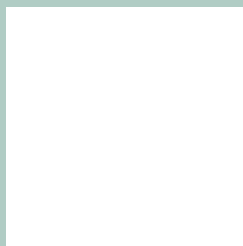
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 49.4612, 56.4014, 60.5042

Background



This preview shows how black text looks on a background with the XYZ color 49.4612, 56.4014, 60.5042.



This preview shows how white text looks on a background with the XYZ color 49.4612, 56.4014,

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

49.4612, 56.4014, 60.5042

Protanopia

53.8378, 56.2948, 57.8976

Deuteranopia

57.2585, 55.9841, 61.8210



Tritanopia

52.2334, 56.4863, 73.7956

Trichromacy



Original Color

49.4612, 56.4014, 60.5042

Protanomaly

52.2722, 56.4963, 58.6019

Deuteranomaly

54.0204, 55.9746, 61.3831

Tritanomaly

51.2196, 56.4282, 68.5138

Monochromacy



Original Color

49.4612, 56.4014, 60.5042

Achromatopsia

51.8711, 54.5724, 59.4294

Achromatomaly

50.7834, 55.0197, 59.5730

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.4612, 56.4014, 60.5042 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(176, 204, 196)` looks like.

```
.text, #text, p{  
    color:rgb(176, 204, 196)  
}
```

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(176, 204, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 204, 196) }
```

Border

The CSS property to change the border of an element to XYZ 49.4612, 56.4014, 60.5042 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(176, 204, 196) }
```


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

```
.border{ border-color:rgb(176, 204, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 204, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 204, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 204, 196);  
box-shadow:4px 4px 4px 4px rgb(176, 204,  
196) }
```

Background

The CSS property to change the background color of an element to XYZ 49.4612, 56.4014, 60.5042 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 204, 196) }
```

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

```
.background{ background-color: rgb(176,  
204, 196) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor