

Converting Colors

XYZ(49.5758, 56.7946, 64.1795)

Have a look what the booklet for
XYZ(49.5758, 56.7946, 64.1795)
contains.

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Color

**XYZ(49.5052, 56.6976,
64.2116)**

Conversions

Conversions Part 1

Format	Color
Hex	ACCDCA
RGB	172, 205, 202
RGB Percent	67%, 80%, 79%
CMY	0.3255, 0.1961, 0.2078
CMYK	0.16, 0.00, 0.01, 0.20
HSL	175°, 25%, 74%
HSV	175°, 16%, 80%
XYZ	49.5052, 56.6976, 64.2116
YIQ	194.7910, -18.7050, -7.9290

Conversions

Conversions Part 2

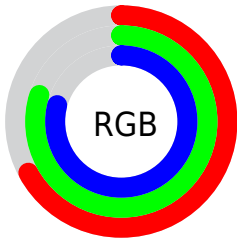
Format	Color
R_{YB}	172, 189, 205
Decimal	11324874
CIE _{Lab}	80.01, -11.54, -2.19
CIE _{LCh}	80, 11.746, 190.722
Yxy	56.6976, 0.2905, 0.3327
Android (android.graphics.Color)	4289514954 (0xFFACCDCA)
YUV	194.7910, 3.5540, -19.9877
Hunter-Lab	75.2978, -14.4148, 2.1478

Details

The XYZ color **49.5052, 56.6976, 64.2116** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **47.6692, 45.5807, 46.8454**, and the grayscale version is **51.7362, 54.4305, 59.2748**.

A 20% lighter version of the original color is **85.8049, 95.2340, 108.4673**, and **24.0197, 28.1933, 32.1928** is the 20% darker color. If you saturate the color by 10%, you get **45.1293, 54.4686, 62.8619**, and if you desaturate by 10%, it is **54.5811, 59.2901, 65.6104**.

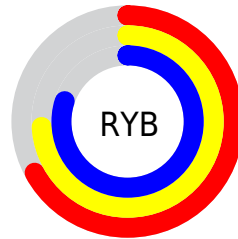
Distribution



Red (67%)

Green (80%)

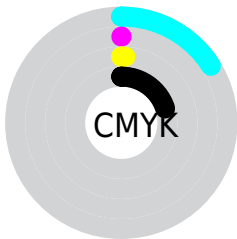
Blue (79%)



Red (67%)

Yellow (74%)

Blue (80%)

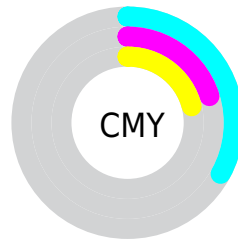


Cyan (16%)

Magenta (0%)

Yellow (1%)

Black (20%)



Cyan (33%)


Magenta (20%)


Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.5052, 56.6976, 64.2116 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 49.5052, 56.6976, 64.2116 by changing the saturation by 10% instead.


 49.5052, 56.6976,
64.2116

 49.5052, 56.6976,
64.2116

375.2119,
412.3152, 458.1818

 35.2366, 40.7625,
46.3748


 88.6375, 100.0238,
112.5180

 24.0125, 28.1336,
32.1909


114.2320,
128.1837, 143.8247

 15.4677, 18.4264,
21.2413

144.3324,
161.1873, 180.4585

 9.2367, 11.2565,
13.1076

179.3042,
199.4191, 222.8378

 4.9543, 6.2397,
7.3711

219.5127,
243.2634, 271.3812

 2.2549, 2.9913,
3.6133

265.3232,

 0.7715, 1.1272,

293.1045, 326.5074

1.4157

317.1011,
349.3270, 388.6347

■ 0.0000, 0.0010,
0.1539

■ 0.0000, 0.0000,
0.0000

■ 49.5052, 56.6976,
64.2116

■ 49.5052, 56.6976,
64.2116

■ 45.1293, 54.4686,
62.8619

■ 54.5811, 59.2901,
65.6104

■ 41.4169, 52.5798,
61.5558

■ 60.3817, 62.2545,
67.0560

■ 38.3352, 51.0160,
60.2932

■ 66.9368, 65.6075,
68.5509

■ 35.8472, 49.7578,
59.0721

■ 74.2727, 69.3627,
70.0964

■ 33.9115, 48.7841,
57.8907

■ 74.8715, 69.6444,
71.3408

■ 32.4819, 48.0709,
56.7466

■ 75.1073, 69.7387,
72.5823

■ 31.5042, 47.5904,
55.6373

■ 75.3458, 69.8341,
73.8382

■ 30.9105, 47.3076,
54.5596

■ 75.5870, 69.9306,
75.1085

■ 30.7326, 47.2249,
54.1453

■ 75.8310, 70.0282,
76.3933

Harmonies

Analogous

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



49.6728, 56.6976, 57.4961



49.5052, 56.6976, 64.2116



50.4858, 56.6976, 70.7110

Triad

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



49.5052, 56.6976, 64.2116



56.9389, 56.6976, 72.2395



55.4186, 56.6976, 50.1411

Complementary

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



49.5052, 56.6976, 64.2116



47.6692, 45.5807, 46.8454

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.



57.4425, 56.6976, 53.5510



49.5052, 56.6976, 64.2116



58.3380, 56.6976, 66.1753

Square

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



49.5052, 56.6976, 64.2116



54.7477, 56.6976, 75.5680



58.5250, 56.6976, 59.3211



53.0401, 56.6976, 49.7007

Rectangle

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



49.5052, 56.6976, 64.2116



51.6762, 56.6976, 73.9216



58.5250, 56.6976, 59.3211



56.1648, 56.6976, 50.9656

Sweetspot

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



49.5068, 56.7000, 64.2129



90.3276, 97.5870, 107.7069



47.0260, 55.7923, 47.3210



19.1970, 20.8178, 23.0182



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.



49.5068, 56.7000, 64.2129



78.7148, 91.6600, 104.4728



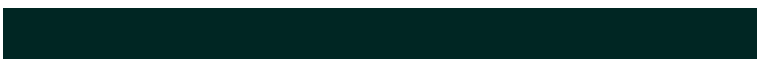
46.8401, 50.7918, 65.0955



11.4975, 12.7088, 14.1774



19.1498, 29.4052, 33.8033



1.0011, 1.5223, 1.8133

Inverse Universe

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



47.6692, 45.5807, 46.8454



75.1966, 70.3690, 71.2202



50.0160, 50.7412, 46.1884



11.2531, 11.2300, 11.8674



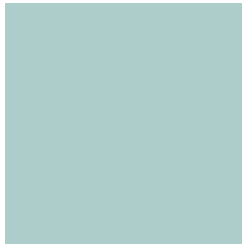
15.7603, 8.1147, 1.1907



0.8276, 0.4245, 0.1383

Previews

White Background



This preview shows how the XYZ color 49.5052, 56.6976, 64.2116 looks on a white background.

Color Contrast Check

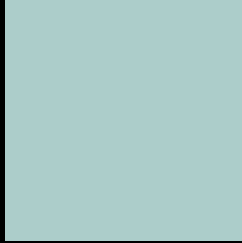
Large Text (above 18pt) WCAG AA × Fail

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 49.5052, 56.6976, 64.2116 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

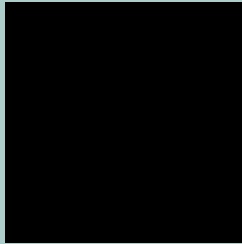
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

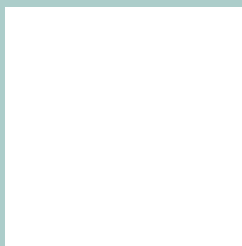
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 49.5052, 56.6976, 64.2116

Background



This preview shows how black text looks on a background with the XYZ color 49.5052, 56.6976, 64.2116.

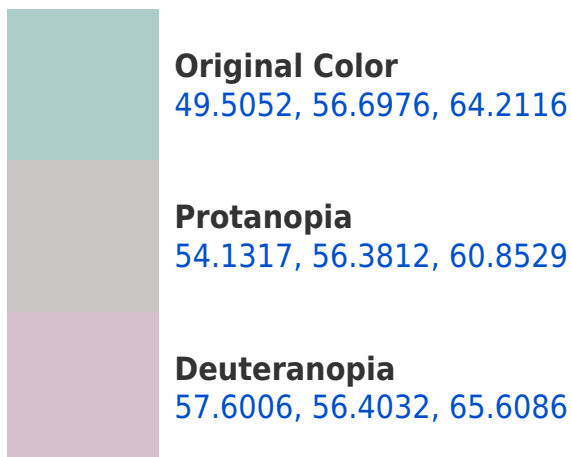


This preview shows how white text looks on a background with the XYZ color 49.5052, 56.6976,

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





Tritanopia

51.5859, 56.4695, 75.1987

Trichromacy



Original Color

49.5052, 56.6976, 64.2116

Protanomaly

52.1983, 56.3792, 62.1640

Deuteranomaly

54.4185, 56.4343, 65.1515

Tritanomaly

50.8217, 56.5146, 71.1806

Monochromacy



Original Color

49.5052, 56.6976, 64.2116

Achromatopsia

51.8711, 54.5724, 59.4294

Achromatomaly

51.1100, 55.4889, 61.4427

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.5052, 56.6976, 64.2116 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(172, 205, 202)` looks like.

```
.text, #text, p{  
    color:rgb(172, 205, 202)  
}
```

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(172, 205, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 205, 202) }
```

Border

The CSS property to change the border of an element to XYZ 49.5052, 56.6976, 64.2116 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(172, 205, 202) }
```


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

```
.border{ border-color:rgb(172, 205, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 205, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 205, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 205, 202);  
box-shadow:4px 4px 4px 4px rgb(172, 205,  
202) }
```

Background

The CSS property to change the background color of an element to XYZ 49.5052, 56.6976, 64.2116 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 205, 202) }
```

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

```
.background{ background-color: rgb(172,  
205, 202) }
```

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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