

Converting Colors

XYZ(49.7055, 54.9351, 68.4111)

Have a look what the booklet for
XYZ(49.7055, 54.9351, 68.4111)
contains.

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Color

**XYZ(49.6185, 54.9107,
68.3052)**

Conversions

Conversions Part 1

Format	Color
Hex	AEC8D1
RGB	174, 200, 209
RGB Percent	68%, 78%, 82%
CMY	0.3176, 0.2157, 0.1804
CMYK	0.17, 0.04, 0.00, 0.18
HSL	195°, 28%, 75%
HSV	195°, 17%, 82%
XYZ	49.6185, 54.9107, 68.3052
YIQ	193.2520, -18.3850, -2.7130

Conversions

Conversions Part 2

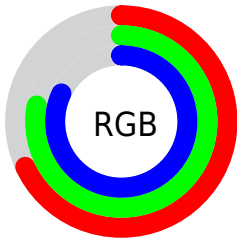
Format	Color
RYB	174, 189, 209
Decimal	11454673
CIELab	78.99, -6.84, -7.43
CIELCh	79, 10.102, 227.380
Yxy	54.9107, 0.2871, 0.3177
Android (android.graphics.Color)	4289644753 (0xFFAEC8D1)
YUV	193.2520, 7.7638, -16.8840
Hunter-Lab	74.1018, -10.1546, -2.7809

Details

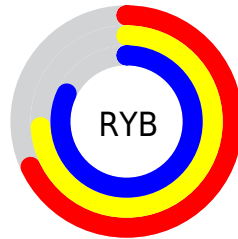
The XYZ color **49.6185, 54.9107, 68.3052** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **50.8684, 50.4783, 47.1078**, and the grayscale version is **50.8016, 53.4472, 58.2040**.

A 20% lighter version of the original color is **86.4431, 95.5630, 108.4972**, and **24.0804, 26.9893, 34.9506** is the 20% darker color. If you saturate the color by 10%, you get **44.0976, 50.2511, 67.6977**, and if you desaturate by 10%, it is **55.9109, 60.0358, 68.9637**.

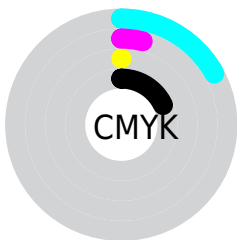
Distribution



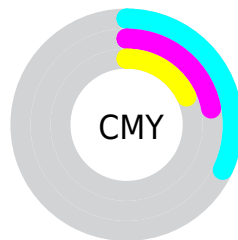
- Red (68%)
- Green (78%)
- Blue (82%)



- Red (68%)
- Yellow (74%)
- Blue (82%)



- Cyan (17%)
- Magenta (4%)
- Yellow (0%)
- Black (18%)



- Cyan (32%)
- Magenta (22%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.6185, 54.9107, 68.3052 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 49.6185, 54.9107, 68.3052 by changing the saturation by 10% instead.

■ 49.6185, 54.9107,
68.3052

■ 49.6185, 54.9107,
68.3052

375.6489,
405.5733, 473.2040

■ 35.3269, 39.3302,
49.6778

■ 88.8046, 97.4101,
118.4470

■ 24.0825, 27.0167,
34.7881

114.4298,
125.0978, 150.7985

■ 15.5199, 17.5858,
23.2174

144.5636,
157.5901, 188.5618

■ 9.2738, 10.6530,
14.5473

179.5713,
195.2713, 232.1554

■ 4.9787, 5.8340,
8.3592

219.8184,
238.5258, 281.9979

■ 2.2694, 2.7444,
4.2346

265.6701,

■ 0.7789, 0.9998,

287.7381, 338.5078

1.7549

317.4918,
343.2924, 402.1036

■ 0.0000, 0.0000,
0.3980

■ 0.0000, 0.0000,
0.0000

■ 49.6185, 54.9107,
68.3052

■ 49.6185, 54.9107,
68.3052

■ 44.0976, 50.2511,
67.6977

■ 55.9109, 60.0358,
68.9637

■ 39.3095, 46.0320,
67.1357

■ 63.0015, 65.6366,
69.6710

■ 35.2192, 42.2363,
66.6186

■ 70.9219, 71.7314,
70.4300

■ 31.7872, 38.8429,
66.1445

■ 78.7361, 77.8382,
71.1969

■ 28.9693, 35.8283,
65.7111

■ 80.1817, 80.7294,
71.6787

■ 26.7161, 33.1663,
65.3161

■ 81.6731, 83.7122,
72.1759

■ 24.9696, 30.8264,
64.9565

■ 83.2108, 86.7876,
72.6884

■ 23.6547, 28.7690,
64.6287

■ 84.7951, 89.9562,
73.2165

■ 23.2758, 28.1376,
64.5268

■ 86.4265, 93.2190,
73.7603

Harmonies

Analogous

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



48.5902, 54.9107, 63.1546



49.6185, 54.9107, 68.3052



51.3515, 54.9107, 71.2481

Triad

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



49.6185, 54.9107, 68.3052



56.0524, 54.9107, 62.2385



51.0455, 54.9107, 49.8389

Complementary

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



49.6185, 54.9107, 68.3052



50.8684, 50.4783, 47.1078

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.



53.0396, 54.9107, 49.6285



49.6185, 54.9107, 68.3052



55.9653, 54.9107, 56.5440

Square

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



49.6185, 54.9107, 68.3052



55.0857, 54.9107, 67.5975



54.8509, 54.9107, 52.0108



49.3995, 54.9107, 52.6051

Rectangle

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



49.6185, 54.9107, 68.3052



52.6888, 54.9107, 71.4458



54.8509, 54.9107, 52.0108



51.6963, 54.9107, 49.4735

Sweetspot

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



49.6201, 54.9130, 68.3064



89.4771, 95.5881, 108.3421



48.7783, 58.0091, 53.2905



18.9897, 20.3304, 23.1732



0.0000, 0.0000, 0.0000



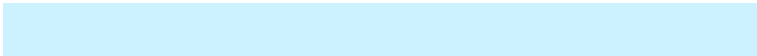
20.3446, 21.4041, 23.3091

Same Dimension

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



49.6201, 54.9130, 68.3064



74.6711, 83.4960, 106.7885



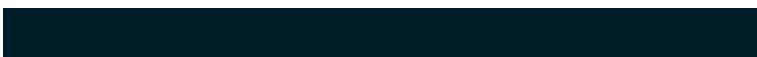
45.8472, 47.3672, 67.0488



11.8904, 12.8711, 15.1013



14.4340, 17.5147, 39.8124



0.8690, 1.1031, 2.2467

Inverse Universe

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



51.8572, 47.9988, 61.1777



78.8433, 70.8499, 93.4374



54.6476, 58.0367, 48.3675



12.1756, 11.9550, 14.2004



19.9164, 9.8394, 20.2635



1.1448, 0.5627, 1.2975

Previews

White Background



This preview shows how the XYZ color 49.6185, 54.9107, 68.3052 looks on a white background.

Color Contrast Check

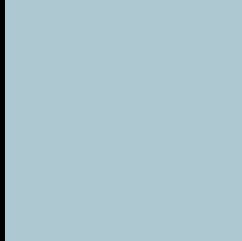
Large Text (above 18pt) WCAG AA × Fail

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 49.6185, 54.9107, 68.3052 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

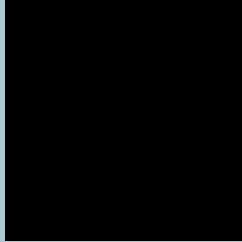
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

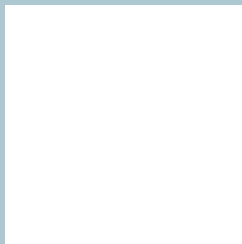
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 49.6185, 54.9107, 68.3052

Background



This preview shows how black text looks on a background with the XYZ color 49.6185, 54.9107, 68.3052.



This preview shows how white text looks on a background with the XYZ color 49.6185, 54.9107,

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

49.6185, 54.9107, 68.3052

Protanopia

53.0762, 54.7271, 65.5236

Deuteranopia

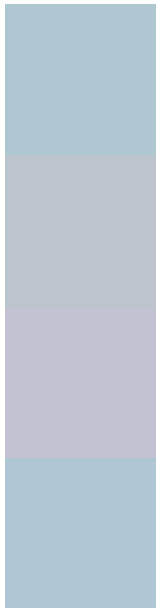
55.9035, 54.7955, 69.2582



Tritanopia

50.3684, 54.8671, 72.2257

Trichromacy



Original Color

49.6185, 54.9107, 68.3052

Protanomaly

51.6195, 54.6275, 66.2160

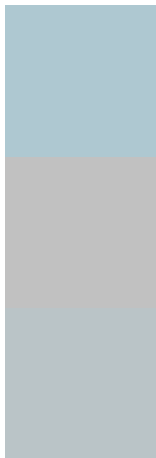
Deuteranomaly

53.4303, 54.8388, 68.7416

Tritanomaly

50.1129, 54.7649, 70.8802

Monochromacy



Original Color

49.6185, 54.9107, 68.3052

Achromatopsia

50.6879, 53.3276, 58.0738

Achromatomaly

50.2984, 54.0425, 61.8131

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.6185, 54.9107, 68.3052 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(174, 200, 209)` looks like.

```
.text, #text, p{  
    color:rgb(174, 200, 209)  
}
```

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(174, 200, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 200, 209) }
```

Border

The CSS property to change the border of an element to XYZ 49.6185, 54.9107, 68.3052 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(174, 200, 209) }
```


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

```
.border{ border-color:rgb(174, 200, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 200, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 200, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 200, 209);  
box-shadow:4px 4px 4px 4px rgb(174, 200,  
209) }
```

Background

The CSS property to change the background color of an element to XYZ 49.6185, 54.9107, 68.3052 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 200, 209) }
```

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

```
.background{ background-color: rgb(174,  
200, 209) }
```

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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