

Converting Colors

XYZ(49.2312, 59.7927, 70.6050)

Have a look what the booklet for
XYZ(49.2312, 59.7927, 70.6050)
contains.

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Color

**XYZ(49.1309, 59.6663,
70.5553)**

Conversions

Conversions Part 1

Format	Color
Hex	9AD6D3
RGB	154, 214, 211
RGB Percent	60%, 84%, 83%
CMY	0.3961, 0.1608, 0.1725
CMYK	0.28, 0.00, 0.01, 0.16
HSL	177°, 42%, 72%
HSV	177°, 28%, 84%
XYZ	49.1309, 59.6663, 70.5553
YIQ	195.7180, -34.7970, -13.6530

Conversions

Conversions Part 2

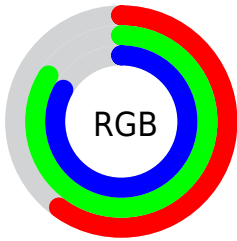
Format	Color
RYB	154, 185, 214
Decimal	10147539
CIELab	81.66, -19.66, -4.70
CIElCh	82, 20.211, 193.435
Yxy	59.6663, 0.2739, 0.3327
Android (android.graphics.Color)	4288337619 (0xFF9AD6D3)
YUV	195.7180, 7.5340, -36.5867
Hunter-Lab	77.2440, -21.6423, -0.0852

Details

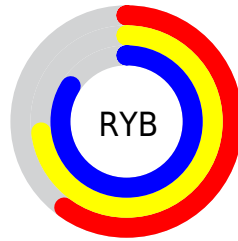
The XYZ color **49.1309, 59.6663, 70.5553** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **45.3751, 39.8434, 37.1998**, and the grayscale version is **52.2731, 54.9954, 59.8900**.

A 20% lighter version of the original color is **80.3883, 92.4416, 108.2138**, and **23.8508, 29.9973, 36.4313** is the 20% darker color. If you saturate the color by 10%, you get **45.2820, 57.6991, 69.6779**, and if you desaturate by 10%, it is **53.7103, 62.0130, 71.4741**.

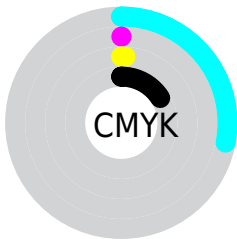
Distribution



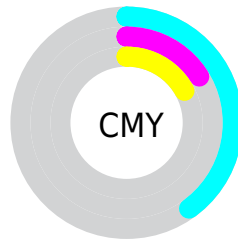
- Red (60%)
- Green (84%)
- Blue (83%)



- Red (60%)
- Yellow (73%)
- Blue (84%)



- Cyan (28%)
- Magenta (0%)
- Yellow (1%)
- Black (16%)



- Cyan (40%)
- Magenta (16%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.1309, 59.6663, 70.5553 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 49.1309, 59.6663, 70.5553 by changing the saturation by 10% instead.

■ 49.1309, 59.6663,
70.5553

■ 49.1309, 59.6663,
70.5553

373.7658,
423.3667, 481.3391

■ 34.9383, 43.1497,
51.4998

■ 88.0854, 104.3454,
121.6888

■ 23.7816, 30.0026,
36.2270

■ 113.5780,
133.2768, 154.6039

■ 15.2956, 19.8406,
24.3185

143.5680,
167.1152, 192.9760

■ 9.1148, 12.2792,
15.3557

178.4206,
206.2450, 237.2235

■ 4.8738, 6.9341,
8.9200

218.5014,
251.0507, 287.7650

■ 2.2074, 3.4209,
4.5929

264.1756,

■ 0.7466, 1.3552,

301.9166, 345.0191

1.9559

315.8087,
359.2271, 409.4043

■ 0.0000, 0.1834,
0.5280

■ 0.0000, 0.0000,
0.0000

■ 49.1309, 59.6663,
70.5553

■ 49.1309, 59.6663,
70.5553

■ 45.2820, 57.6991,
69.6779

■ 53.7103, 62.0130,
71.4741

■ 42.1199, 56.0843,
68.8360

■ 59.0506, 64.7504,
72.4320

■ 39.6040, 54.8026,
68.0290

■ 65.1871, 67.8981,
73.4318

■ 37.6876, 53.8298,
67.2547

■ 72.1511, 71.4723,
74.4750

36.3177, 53.1386,
66.5106

77.7283, 74.3315,
75.4580

35.4318, 52.6969,
65.7938

77.8676, 74.3872,
76.1912

34.9400, 52.4582,
65.1000

78.0077, 74.4432,
76.9292

34.8623, 52.4211,
64.9653

78.1488, 74.4996,
77.6720

78.2907, 74.5564,
78.4196

Harmonies

Analogous

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



49.2359, 59.6663, 58.5221



49.1309, 59.6663, 70.5553



50.9835, 59.6663, 82.4156

Triad

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



49.1309, 59.6663, 70.5553



62.5149, 59.6663, 83.4789



59.0720, 59.6663, 45.0232

Complementary

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



49.1309, 59.6663, 70.5553



45.3751, 39.8434, 37.1998

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.



62.8522, 59.6663, 50.1723



49.1309, 59.6663, 70.5553



64.9069, 59.6663, 71.8673

Square

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



49.1309, 59.6663, 70.5553



58.6303, 59.6663, 90.4816



65.0333, 59.6663, 59.6808



54.8341, 59.6663, 44.7647

Rectangle

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



49.1309, 59.6663, 70.5553



53.1357, 59.6663, 88.2190



65.0333, 59.6663, 59.6808



60.4433, 59.6663, 46.2073

Sweetspot

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



49.1326, 59.6687, 70.5567



87.7751, 96.2686, 107.7039



43.9817, 57.6978, 39.3918



18.5133, 20.4648, 23.0059



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.



49.1326, 59.6687, 70.5567



69.3316, 86.8215, 104.0913



43.4491, 47.6935, 70.5368



12.7641, 14.0966, 15.8382



21.0829, 31.6885, 39.3280



1.2801, 1.9147, 2.4165

Inverse Universe

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



45.3751, 39.8434, 37.1998



62.8060, 52.3793, 46.1520



49.8877, 49.2738, 37.4546



12.4482, 12.4308, 13.0345



16.8088, 8.6598, 1.0311



1.0229, 0.5259, 0.1099

Previews

White Background



This preview shows how the XYZ color 49.1309, 59.6663, 70.5553 looks on a white background.

Color Contrast Check

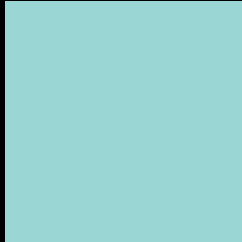
Large Text (above 18pt) WCAG AA × Fail

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 49.1309, 59.6663, 70.5553 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

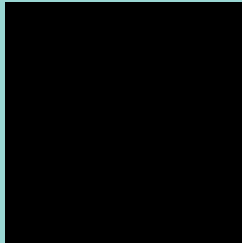
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

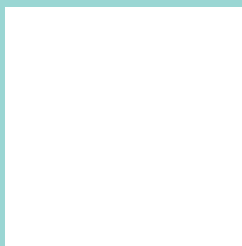
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 49.1309, 59.6663, 70.5553

Background



This preview shows how black text looks on a background with the XYZ color 49.1309, 59.6663, 70.5553.

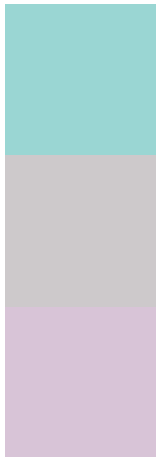


This preview shows how white text looks on a background with the XYZ color 49.1309, 59.6663,

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

49.1309, 59.6663, 70.5553

Protanopia

56.8430, 59.0642, 64.9045

Deuteranopia

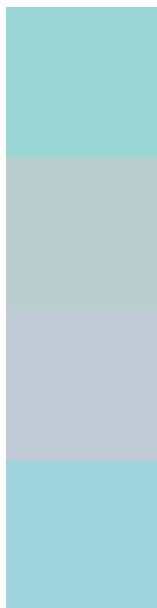
60.3246, 58.9851, 72.4958



Tritanopia

51.3984, 59.4591, 82.1666

Trichromacy



Original Color

49.1309, 59.6663, 70.5553

Protanomaly

53.4616, 59.0379, 66.9703

Deuteranomaly

55.4859, 58.9044, 72.0636

Tritanomaly

50.6329, 59.5290, 77.9288

Monochromacy



Original Color

49.1309, 59.6663, 70.5553

Achromatopsia

52.4687, 55.2011, 60.1140

Achromatomaly

50.9546, 56.7527, 63.5271

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.1309, 59.6663, 70.5553 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(154, 214, 211)` looks like.

```
.text, #text, p{  
    color:rgb(154, 214, 211)  
}
```

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(154, 214, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 214, 211) }
```

Border

The CSS property to change the border of an element to XYZ 49.1309, 59.6663, 70.5553 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(154, 214, 211) }
```


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

```
.border{ border-color:rgb(154, 214, 211) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 214, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 214, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 214, 211);  
box-shadow:4px 4px 4px 4px rgb(154, 214,  
211) }
```

Background

The CSS property to change the background color of an element to XYZ 49.1309, 59.6663, 70.5553 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 214, 211) }
```

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

```
.background{ background-color: rgb(154,  
214, 211) }
```

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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