

Converting Colors

XYZ(49.0534, 59.8165, 64.8338)

Have a look what the booklet for
XYZ(49.0534, 59.8165, 64.8338)
contains.

XYZ(49.0053, 59.7283, 64.8230)	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(49.0053, 59.7283,
64.8230)**

Conversions

Conversions Part 1

Format	Color
Hex	9FD6CA
RGB	159, 214, 202
RGB Percent	62%, 84%, 79%
CMY	0.3765, 0.1608, 0.2078
CMYK	0.26, 0.00, 0.06, 0.16
HSL	167°, 40%, 73%
HSV	167°, 26%, 84%
XYZ	49.0053, 59.7283, 64.8230
YIQ	196.1870, -28.9280, -15.3920

Conversions

Conversions Part 2

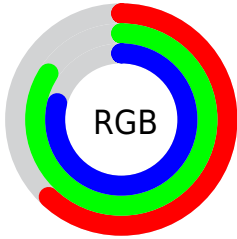
Format	Color
RYB	159, 190, 214
Decimal	10475210
CIELab	81.69, -20.15, 0.18
CIELCh	82, 20.147, 179.481
Yxy	59.7283, 0.2824, 0.3441
Android (android.graphics.Color)	4288665290 (0xFF9FD6CA)
YUV	196.1870, 2.8658, -32.6130
Hunter-Lab	77.2841, -22.0615, 4.3686

Details

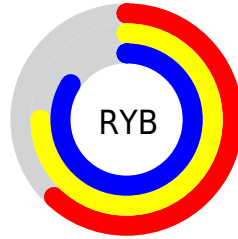
The XYZ color **49.0053, 59.7283, 64.8230** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **47.4824, 42.0343, 44.1413**, and the grayscale version is **52.5787, 55.3168, 60.2400**.

A 20% lighter version of the original color is **81.8343, 93.1871, 108.2815**, and **23.6873, 29.9986, 32.5588** is the 20% darker color. If you saturate the color by 10%, you get **44.5792, 57.5111, 61.7739**, and if you desaturate by 10%, it is **54.1863, 62.3359, 67.9973**.

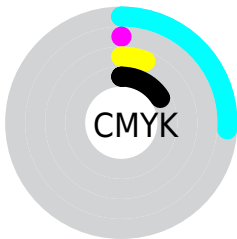
Distribution



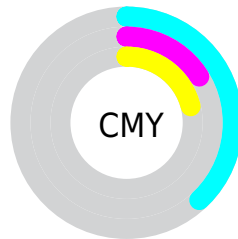
- Red (62%)
- Green (84%)
- Blue (79%)



- Red (62%)
- Yellow (75%)
- Blue (84%)



- Cyan (26%)
- Magenta (0%)
- Yellow (6%)
- Black (16%)





- Cyan (38%)
- Magenta (16%)
- Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.0053, 59.7283, 64.8230 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 49.0053, 59.7283, 64.8230 by changing the saturation by 10% instead.


 49.0053, 59.7283,
64.8230


 49.0053, 59.7283,
64.8230


373.2798,
423.5956, 460.4444

 34.8382, 43.1997,
46.8671


 87.9000, 104.4354,
113.4062

 23.7042, 30.0418,
32.5770


 113.3583,
133.3827, 144.8706

 15.2379, 19.8703,
21.5342


143.3112,
167.2384, 181.6749

 9.0739, 12.3008,
13.3200

178.1238,
206.3868, 224.2377

 4.8469, 6.9489,
7.5159

218.1616,
251.2123, 272.9775

 2.1916, 3.4302,
3.7035

263.7900,

 0.7383, 1.3602,

302.0993, 328.3129

1.4641

315.3743,
359.4323, 390.6623

■ 0.0000, 0.1871,
0.1910

■ 0.0000, 0.0000,
0.0000

■ 49.0053, 59.7283,
64.8230

■ 49.0053, 59.7283,
64.8230

■ 44.5792, 57.5111,
61.7739

■ 54.1863, 62.3359,
67.9973

■ 40.8648, 55.6572,
58.8435

■ 60.1522, 65.3447,
71.2952

■ 37.8225, 54.1480,
56.0303

■ 66.9380, 68.7740,
74.7204

■ 35.4065, 52.9597,
53.3315

■ 74.5745, 72.6401,
78.2749

■ 33.5653, 52.0659,
50.7439

■ 78.9263, 74.8107,
81.7660

■ 32.2389, 51.4356,
48.2638

■ 79.5736, 75.0696,
85.1748

■ 31.3535, 51.0309,
45.8871

■ 80.2385, 75.3356,
88.6761

■ 31.0508, 50.8965,
44.8942

■ 80.9211, 75.6086,
92.2708

■ 81.6216, 75.8888,
95.9593

Harmonies

Analogous

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



50.0356, 59.7283, 53.8883



49.0053, 59.7283, 64.8230



49.9678, 59.7283, 77.2085

Triad

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



49.0053, 59.7283, 64.8230



60.8754, 59.7283, 87.5380



61.0093, 59.7283, 46.9304

Complementary

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



49.0053, 59.7283, 64.8230



47.4824, 42.0343, 44.1413

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.



64.1630, 59.7283, 54.2117



49.0053, 59.7283, 64.8230



64.0830, 59.7283, 77.6193

Square

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



49.0053, 59.7283, 64.8230



56.6962, 59.7283, 91.2726



65.3143, 59.7283, 65.2454



56.8437, 59.7283, 44.3778

Rectangle

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



49.0053, 59.7283, 64.8230



51.6387, 59.7283, 84.4368



65.3143, 59.7283, 65.2454



62.2303, 59.7283, 48.8575

Sweetspot

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



49.0070, 59.7307, 64.8244



87.2305, 96.0507, 104.8360



47.2831, 59.3506, 41.7656



18.3752, 20.4096, 22.2786



0.0000, 0.0000, 0.0000



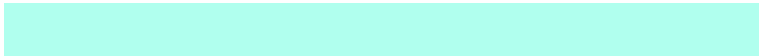
20.3446, 21.4041, 23.3091

Same Dimension

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



49.0070, 59.7307, 64.8244



69.0490, 86.9026, 93.8308



46.9377, 53.2285, 71.4214



12.6708, 14.0593, 15.3467



18.8075, 30.7784, 27.3458



1.1638, 1.8682, 1.8043

Inverse Universe

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



47.4824, 42.0343, 44.1413



66.4035, 56.1503, 57.9076



49.0632, 46.9446, 39.2772



12.5331, 12.4647, 13.4815



17.1003, 8.7764, 2.5664



1.0628, 0.5419, 0.3202

Previews

White Background



This preview shows how the XYZ color 49.0053, 59.7283, 64.8230 looks on a white background.

Color Contrast Check

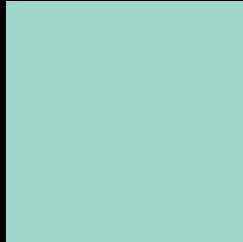
Large Text (above 18pt) WCAG AA × Fail

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 49.0053, 59.7283, 64.8230 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

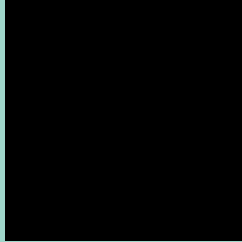
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.0053, 59.7283, 64.8230

Background



This preview shows how black text looks on a background with the XYZ color 49.0053, 59.7283, 64.8230.

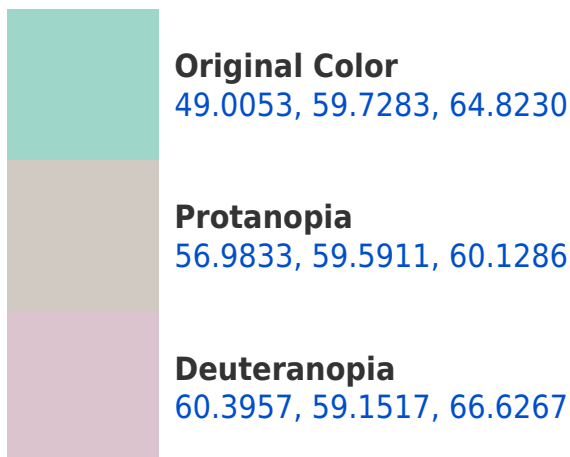


This preview shows how white text looks on a background with the XYZ color 49.0053, 59.7283,

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

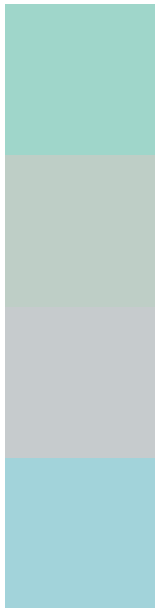




Tritanopia

52.2216, 59.5318, 81.4115

Trichromacy



Original Color

49.0053, 59.7283, 64.8230

Protanomaly

53.4996, 59.1670, 62.0267

Deuteranomaly

55.6641, 59.1254, 66.2361

Tritanomaly

50.8494, 59.3319, 75.1018

Monochromacy



Original Color

49.0053, 59.7283, 64.8230

Achromatopsia

52.4687, 55.2011, 60.1140

Achromatomaly

51.0774, 56.8564, 61.7084

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.0053, 59.7283, 64.8230 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(159, 214, 202)` looks like.

```
.text, #text, p{  
    color:rgb(159, 214, 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(159, 214, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 214, 202) }
```

Border

The CSS property to change the border of an element to XYZ 49.0053, 59.7283, 64.8230 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(159, 214, 202) }
```


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

```
.border{ border-color:rgb(159, 214, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 214, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 214, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 214, 202);  
box-shadow:4px 4px 4px 4px rgb(159, 214,  
202) }
```

Background

The CSS property to change the background color of an element to XYZ 49.0053, 59.7283, 64.8230 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 214, 202) }
```

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

```
.background{ background-color: rgb(159,  
214, 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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