

Converting Colors

XYZ(49.0499, 57.0653, 69.4023)

Have a look what the booklet for
XYZ(49.0499, 57.0653, 69.4023)
contains.

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Color

**XYZ(49.0499, 57.0653,
69.4023)**

Conversions

Conversions Part 1

Format	Color
Hex	A3CFD2
RGB	163, 207, 210
RGB Percent	64%, 81%, 82%
CMY	0.3608, 0.1882, 0.1765
CMYK	0.22, 0.01, 0.00, 0.18
HSL	184°, 34%, 73%
HSV	184°, 22%, 82%
XYZ	49.0499, 57.0653, 69.4023
YIQ	194.1860, -27.1870, -8.3950

Conversions

Conversions Part 2

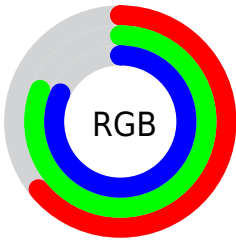
Format	Color
R _Y B	163, 186, 210
Decimal	10735570
CIE Lab	80.22, -13.67, -6.23
CIE LCh	80, 15.024, 204.503
Yxy	57.0653, 0.2795, 0.3251
Android (android.graphics.Color)	4288925650 (0xFFA3CFD2)
YUV	194.1860, 7.7963, -27.3501
Hunter-Lab	75.5416, -16.2959, -1.5924

Details

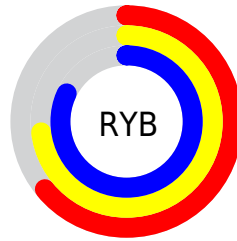
The XYZ color **49.0499, 57.0653, 69.4023** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **46.8259, 43.6185, 40.6026**, and the grayscale version is **51.3564, 54.0309, 58.8397**.

A 20% lighter version of the original color is **83.0234, 93.8001, 108.3372**, and **23.8224, 28.4978, 35.6975** is the 20% darker color. If you saturate the color by 10%, you get **44.7794, 54.3856, 69.1111**, and if you desaturate by 10%, it is **54.0405, 60.1232, 69.7304**.

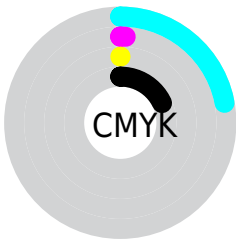
Distribution



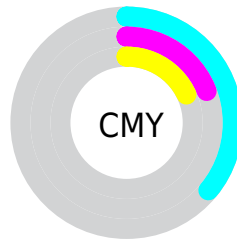
- Red (64%)
- Green (81%)
- Blue (82%)



- Red (64%)
- Yellow (73%)
- Blue (82%)



- Cyan (22%)
- Magenta (1%)
- Yellow (0%)
- Black (18%)





- Cyan (36%)
- Magenta (19%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.0499, 57.0653, 69.4023 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 49.0499, 57.0653, 69.4023 by changing the saturation by 10% instead.


 49.0499, 57.0653,
69.4023


 49.0499, 57.0653,
69.4023


373.4524,
413.6940, 477.1809

 34.8738, 41.0577,
50.5656


 87.9658, 100.5605,
120.0291

 23.7317, 28.3641,
35.4887


 113.4363,
128.8168, 152.6563

 15.2584, 18.6003,
23.7530


143.4024,
161.9248, 190.7174

 9.0884, 11.3819,
14.9400

178.2292,
200.2689, 234.6310

 4.8565, 6.3243,
8.6311

218.2823,
244.2335, 284.8156

 2.1972, 3.0433,
4.4079

263.9270,

 0.7413, 1.1544,

294.2029, 341.6898

1.8517

315.5286,
350.5616, 405.6720

■ 0.0000, 0.0239,
0.4617

■ 0.0000, 0.0000,
0.0000

■ 49.0499, 57.0653,
69.4023

■ 49.0499, 57.0653,
69.4023

■ 44.7794, 54.3856,
69.1111

■ 54.0405, 60.1232,
69.7304

■ 41.1888, 52.0590,
68.8512

■ 59.7789, 63.5693,
70.0932

■ 38.2415, 50.0681,
68.6223

■ 66.2976, 67.4218,
70.4932

■ 35.8954, 48.3912,
68.4223

■ 73.6257, 71.6956,
70.9319

■ 34.1037, 47.0041,
68.2490

■ 76.8439, 73.8549,
71.1790

■ 32.8122, 45.8789,
68.0999

■ 77.1836, 74.5343,
71.2923

■ 31.9562, 44.9823,
67.9719

■ 77.5261, 75.2194,
71.4065

■ 31.5106, 44.4083,
67.8846

■ 77.8715, 75.9100,
71.5216

■ 78.2196, 76.6063,
71.6376

Harmonies

Analogous

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



48.5803, 57.0653, 60.5312



49.0499, 57.0653, 69.4023



50.8875, 57.0653, 76.9171

Triad

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



49.0499, 57.0653, 69.4023



59.1809, 57.0653, 72.4617



54.8055, 57.0653, 46.7995

Complementary

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



49.0499, 57.0653, 69.4023



46.8259, 43.6185, 40.6026

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.



57.7342, 57.0653, 49.3786



49.0499, 57.0653, 69.4023



60.3206, 57.0653, 63.7657

Square

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



49.0499, 57.0653, 69.4023



56.7205, 57.0653, 78.7967



59.7814, 57.0653, 55.3925



51.8306, 57.0653, 48.0040

Rectangle

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



49.0499, 57.0653, 69.4023



52.6790, 57.0653, 79.8637



59.7814, 57.0653, 55.3925



55.8292, 57.0653, 47.2447

Sweetspot

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



49.0516, 57.0676, 69.4036



88.4231, 96.0462, 108.4861



44.9753, 56.6101, 44.3220



18.8099, 20.4880, 23.2131



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.



49.0516, 57.0676, 69.4036



72.7114, 86.4283, 107.4578



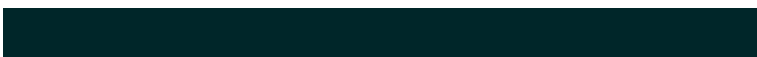
43.9098, 46.7841, 67.6897



12.0911, 13.2725, 15.1682



19.2490, 27.1445, 41.4174



1.0962, 1.5576, 2.3224

Inverse Universe

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



50.9393, 44.4022, 64.9198



76.1815, 63.3815, 99.1627



51.3555, 52.6777, 42.1124



12.2769, 11.9955, 14.7339



22.3467, 10.8115, 33.0616



1.2596, 0.6085, 1.9016

Previews

White Background



This preview shows how the XYZ color 49.0499, 57.0653, 69.4023 looks on a white background.

Color Contrast Check

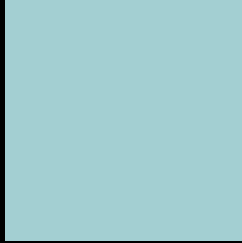
Large Text (above 18pt) WCAG AA × Fail

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 49.0499, 57.0653, 69.4023 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

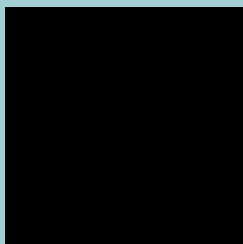
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

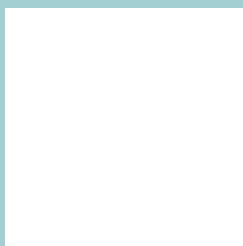
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 49.0499, 57.0653, 69.4023

Background



This preview shows how black text looks on a background with the XYZ color 49.0499, 57.0653, 69.4023.



This preview shows how white text looks on a background with the XYZ color 49.0499, 57.0653,

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

49.0499, 57.0653, 69.4023

Protanopia

54.6848, 56.5715, 65.1639

Deuteranopia

57.9442, 56.7929, 70.8589



Tritanopia

50.5332, 56.9359, 77.4336

Trichromacy



Original Color

49.0499, 57.0653, 69.4023

Protanomaly

52.5207, 56.7943, 66.5868

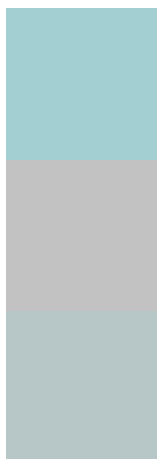
Deuteranomaly

54.3259, 56.6110, 70.3511

Tritanomaly

50.0360, 57.0971, 74.7133

Monochromacy



Original Color

49.0499, 57.0653, 69.4023

Achromatopsia

51.2775, 53.9479, 58.7493

Achromatomaly

50.3772, 55.0843, 62.6207

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.0499, 57.0653, 69.4023 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(163, 207, 210)` looks like.

```
.text, #text, p{  
    color:rgb(163, 207, 210)  
}
```

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(163, 207, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 207, 210) }
```

Border

The CSS property to change the border of an element to XYZ 49.0499, 57.0653, 69.4023 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(163, 207, 210) }
```


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

```
.border{ border-color:rgb(163, 207, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 207, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 207, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 207, 210);  
box-shadow:4px 4px 4px 4px rgb(163, 207,  
210) }
```

Background

The CSS property to change the background color of an element to XYZ 49.0499, 57.0653, 69.4023 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 207, 210) }
```

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

```
.background{ background-color: rgb(163,  
207, 210) }
```

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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