

Converting Colors

XYZ(49.6146, 58.4711, 69.6895)

Have a look what the booklet for
XYZ(49.6146, 58.4711, 69.6895)
contains.

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Color

**XYZ(49.5797, 58.4277,
69.6373)**

Conversions

Conversions Part 1

Format	Color
Hex	A2D2D2
RGB	162, 210, 210
RGB Percent	64%, 82%, 82%
CMY	0.3647, 0.1765, 0.1765
CMYK	0.23, 0.00, 0.00, 0.18
HSL	180°, 35%, 73%
HSV	180°, 23%, 82%
XYZ	49.5797, 58.4277, 69.6373
YIQ	195.6480, -28.6080, -10.1760

Conversions

Conversions Part 2

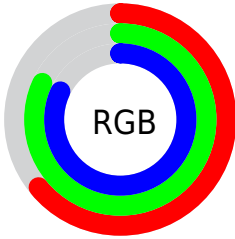
Format	Color
RYB	162, 186, 210
Decimal	10670802
CIELab	80.98, -15.51, -5.12
CIElCh	81, 16.329, 198.257
Yxy	58.4277, 0.2791, 0.3289
Android (android.graphics.Color)	4288860882 (0xFFA2D2D2)
YUV	195.6480, 7.0755, -29.5093
Hunter-Lab	76.4380, -17.9867, -0.5083

Details

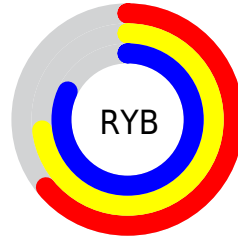
The XYZ color **49.5797, 58.4277, 69.6373** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **46.0223, 42.1525, 39.8953**, and the grayscale version is **52.2311, 54.9512, 59.8419**.

A 20% lighter version of the original color is **82.7234, 93.6454, 108.3231**, and **24.0288, 29.0942, 35.8018** is the 20% darker color. If you saturate the color by 10%, you get **45.6653, 56.4113, 69.4546**, and if you desaturate by 10%, it is **54.2099, 60.8161, 69.8560**.

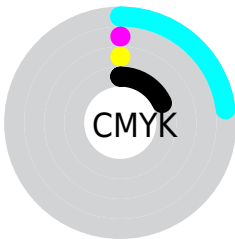
Distribution



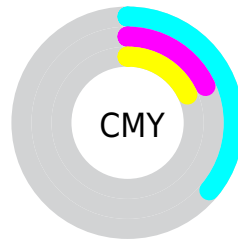
- Red (64%)
- Green (82%)
- Blue (82%)



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



- Cyan (23%)
- Magenta (0%)
- Yellow (0%)
- Black (18%)



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

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.5797, 58.4277, 69.6373 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 49.5797, 58.4277, 69.6373 by changing the saturation by 10% instead.


 49.5797, 58.4277,
69.6373


 49.5797, 58.4277,
69.6373


375.4992,
418.7778, 478.0302

 35.2960, 42.1526,
50.7559


 88.7474, 102.5454,
120.3676

 24.0585, 29.2208,
35.6390


 114.3621,
131.1568, 153.0537

 15.5020, 19.2479,
23.8681


144.4844,
164.6491, 191.1783

 9.2611, 11.8495,
15.0245

179.4799,
203.4067, 235.1602

 4.9703, 6.6413,
8.6898

219.7137,
247.8140, 285.4178

 2.2644, 3.2388,
4.4453

265.5513,

 0.7764, 1.2576,

298.2553, 342.3696

1.8727

317.3580,
355.1151, 406.4342

■ 0.0000, 0.1080,
0.4753

■ 0.0000, 0.0000,
0.0000

■ 49.5797, 58.4277,
69.6373

■ 49.5797, 58.4277,
69.6373

■ 45.6653, 56.4113,
69.4546

■ 54.2099, 60.8161,
69.8560

■ 42.4263, 54.7415,
69.3022

■ 59.5836, 63.5864,
70.1083

■ 39.8259, 53.4010,
69.1797

■ 65.7335, 66.7568,
70.3969

■ 37.8220, 52.3680,
69.0852

■ 72.6887, 70.3422,
70.7231

■ 36.3673, 51.6180,
69.0163

■ 75.9214, 72.0088,
70.8752

■ 35.4073, 51.1232,
68.9706

■ 75.9216, 72.0088,
70.8760

■ 34.8766, 50.8496,
68.9450

■ 75.9217, 72.0089,
70.8768

■ 34.6795, 50.7480,
68.9352

■ 75.9219, 72.0089,
70.8776

■ 75.9220, 72.0090,
70.8784

Harmonies

Analogous

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



49.4025, 58.4277, 59.8992



49.5797, 58.4277, 69.6373



51.3124, 58.4277, 78.5628

Triad

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



49.5797, 58.4277, 69.6373



60.5326, 58.4277, 76.8518



56.8689, 58.4277, 47.0584

Complementary

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



49.5797, 58.4277, 69.6373



46.0223, 42.1525, 39.8953

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.



59.9805, 58.4277, 50.6996



49.5797, 58.4277, 69.6373



62.1525, 58.4277, 67.4873

Square

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



49.5797, 58.4277, 69.6373



57.5976, 58.4277, 83.0108



61.9464, 58.4277, 57.9556



53.5198, 58.4277, 47.5081

Rectangle

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



49.5797, 58.4277, 69.6373



53.1576, 58.4277, 82.5484



61.9464, 58.4277, 57.9556



57.9798, 58.4277, 47.8282

Sweetspot

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



49.5814, 58.4301, 69.6386



88.7850, 96.7703, 108.6059



44.6332, 56.4696, 42.7308



18.8940, 20.6563, 23.2410



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.



49.5814, 58.4301, 69.6386



74.0955, 89.1976, 107.9160



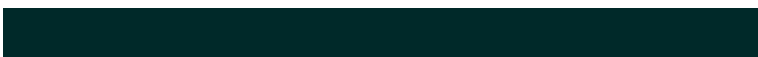
44.2627, 47.7922, 67.8674



12.1584, 13.4071, 15.1905



21.1531, 30.9542, 42.0477



1.1828, 1.7308, 2.3511

Inverse Universe

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



46.0223, 42.1525, 39.8953



67.7098, 59.9928, 54.5513



50.4928, 51.0940, 41.3843



11.8088, 11.8083, 12.2690



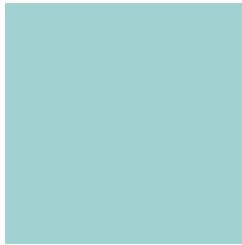
16.2125, 8.3578, 0.7590



0.9065, 0.4673, 0.0425

Previews

White Background



This preview shows how the XYZ color 49.5797, 58.4277, 69.6373 looks on a white background.

Color Contrast Check

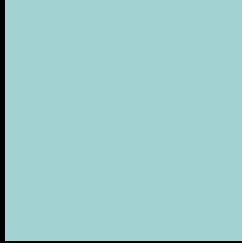
Large Text (above 18pt) WCAG AA × Fail

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 49.5797, 58.4277, 69.6373 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 49.5797, 58.4277, 69.6373

Background



This preview shows how black text looks on a background with the XYZ color 49.5797, 58.4277, 69.6373.

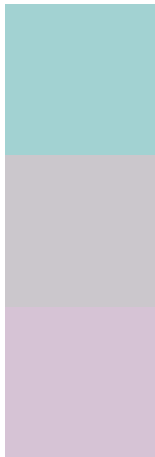


This preview shows how white text looks on a background with the XYZ color 49.5797, 58.4277,

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

49.5797, 58.4277, 69.6373

Protanopia

55.9511, 57.9030, 65.3542

Deuteranopia

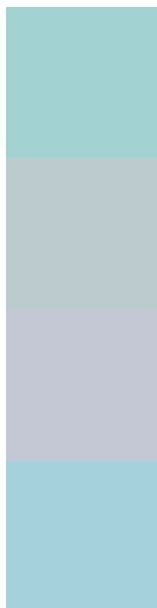
59.2569, 58.1305, 71.0479



Tritanopia

51.5275, 58.4929, 79.0955

Trichromacy



Original Color

49.5797, 58.4277, 69.6373

Protanomaly

53.2356, 57.8595, 66.7547

Deuteranomaly

55.0436, 57.6641, 70.5165

Tritanomaly

50.8965, 58.6079, 75.6478

Monochromacy



Original Color

49.5797, 58.4277, 69.6373

Achromatopsia

52.4687, 55.2011, 60.1140

Achromatomaly

51.1964, 56.1807, 63.4040

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.5797, 58.4277, 69.6373 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(162, 210, 210)` looks like.

```
.text, #text, p{  
    color:rgb(162, 210, 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(162, 210, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 210, 210) }
```

Border

The CSS property to change the border of an element to XYZ 49.5797, 58.4277, 69.6373 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(162, 210, 210) }
```


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

```
.border{ border-color:rgb(162, 210, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 210, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 210, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 210, 210);  
box-shadow:4px 4px 4px 4px rgb(162, 210,  
210) }
```

Background

The CSS property to change the background color of an element to XYZ 49.5797, 58.4277, 69.6373 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 210, 210) }
```

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

```
.background{ background-color: rgb(162,  
210, 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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