

Converting Colors

XYZ(49.5820, 59.8360, 72.6727)

Have a look what the booklet for
XYZ(49.5820, 59.8360, 72.6727)
contains.

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Color

**XYZ(49.5106, 59.8182,
72.5549)**

Conversions

Conversions Part 1

Format	Color
Hex	9AD6D6
RGB	154, 214, 214
RGB Percent	60%, 84%, 84%
CMY	0.3961, 0.1608, 0.1608
CMYK	0.28, 0.00, 0.00, 0.16
HSL	180°, 42%, 72%
HSV	180°, 28%, 84%
XYZ	49.5106, 59.8182, 72.5549
YIQ	196.0600, -35.7600, -12.7200

Conversions

Conversions Part 2

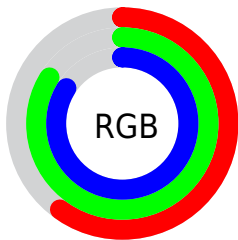
Format	Color
RYB	154, 184, 214
Decimal	10147542
CIELab	81.74, -18.98, -6.17
CIELCh	82, 19.962, 198.013
Yxy	59.8182, 0.2722, 0.3289
Android (android.graphics.Color)	4288337622 (0xFF9AD6D6)
YUV	196.0600, 8.8444, -36.8866
Hunter-Lab	77.3422, -21.0822, -1.4805

Details

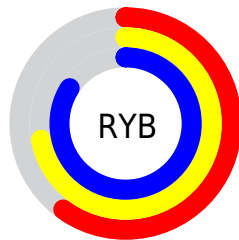
The XYZ color **49.5106, 59.8182, 72.5549** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **45.1220, 39.7422, 35.8670**, and the grayscale version is **52.4707, 55.2033, 60.1164**.

A 20% lighter version of the original color is **80.3883, 92.4416, 108.2138**, and **23.9117, 30.0088, 37.3329** is the 20% darker color. If you saturate the color by 10%, you get **45.7955, 57.9045, 72.3817**, and if you desaturate by 10%, it is **53.9554, 62.1110, 72.7648**.

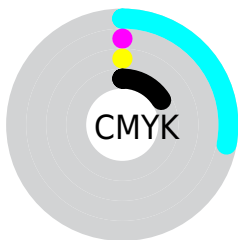
Distribution



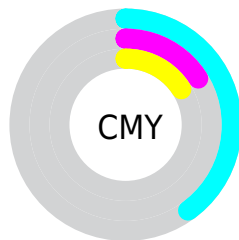
- Red (60%)
- Green (84%)
- Blue (84%)



- Red (60%)
- Yellow (72%)
- Blue (84%)



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



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.5106, 59.8182, 72.5549 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 49.5106, 59.8182, 72.5549 by changing the saturation by 10% instead.

■ 49.5106, 59.8182,
72.5549

■ 49.5106, 59.8182,
72.5549

375.2327,
423.9273, 488.5001

■ 35.2409, 43.2721,
53.1225

■ 88.6455, 104.5659,
124.5602

■ 24.0159, 30.0987,
37.5122

■ 114.2414,
133.5363, 157.9701

■ 15.4702, 19.9135,
25.3054

144.3434,
167.4169, 196.8763

■ 9.2385, 12.3322,
16.0836

179.3169,
206.5922, 241.6973

■ 4.9554, 6.9703,
9.4284

219.5272,
251.4465, 292.8516

■ 2.2556, 3.4436,
4.9210

265.3397,

■ 0.7718, 1.3674,

302.3642, 350.7579

2.1431

317.1198,
359.7296, 415.8345

■ 0.0000, 0.1925,
0.6412

■ 0.0000, 0.0000,
0.0000

■ 49.5106, 59.8182,
72.5549

■ 49.5106, 59.8182,
72.5549

■ 45.7955, 57.9045,
72.3817

■ 53.9554, 62.1110,
72.7648

■ 42.7661, 56.3428,
72.2393

■ 59.1602, 64.7942,
73.0090

■ 40.3822, 55.1139,
72.1271

■ 65.1602, 67.8874,
73.2904

■ 38.5969, 54.1935,
72.0430

■ 71.9869, 71.4066,
73.6105

■ 37.3571, 53.5544,
71.9843

■ 77.4260, 74.2105,
73.8657

■ 36.6005, 53.1644,
71.9483

■ 77.4261, 74.2106,
73.8663

■ 36.2371, 52.9771,
71.9307

■ 77.4262, 74.2106,
73.8669

■ 36.1845, 52.9500,
71.9281

■ 77.4263, 74.2107,
73.8675

■ 77.4264, 74.2107,
73.8682

Harmonies

Analogous

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



49.3103, 59.8182, 60.4419



49.5106, 59.8182, 72.5549



51.6184, 59.8182, 83.8959

Triad

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



49.5106, 59.8182, 72.5549



63.0769, 59.8182, 81.8754



58.5505, 59.8182, 45.0124

Complementary

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



49.5106, 59.8182, 72.5549



45.1220, 39.7422, 35.8670

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.



62.4352, 59.8182, 49.3976



49.5106, 59.8182, 72.5549



65.1333, 59.8182, 70.0584

Square

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



49.5106, 59.8182, 72.5549



59.3914, 59.8182, 89.7166



64.8929, 59.8182, 58.2332



54.3926, 59.8182, 45.5065

Rectangle

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



49.5106, 59.8182, 72.5549



53.8829, 59.8182, 89.0387



64.8929, 59.8182, 58.2332



59.9353, 59.8182, 45.9401

Sweetspot

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



49.5124, 59.8206, 72.5563



87.9389, 96.3341, 108.5665



43.3987, 57.3972, 39.3645



18.5549, 20.4815, 23.2251



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.



49.5124, 59.8206, 72.5563



70.0218, 87.0976, 107.7256



42.8148, 46.4249, 70.3254



12.7922, 14.1079, 15.9863



21.8703, 32.0035, 43.4741



1.3191, 1.9303, 2.6222

Inverse Universe

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



45.1220, 39.7422, 35.8670



62.3943, 52.2147, 43.9842



50.4999, 50.4983, 37.6586



12.4233, 12.4208, 12.9035



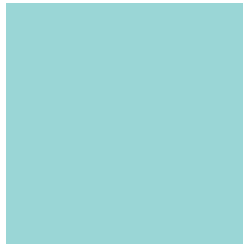
16.7620, 8.6411, 0.7847



1.0110, 0.5212, 0.0474

Previews

White Background



This preview shows how the XYZ color 49.5106, 59.8182, 72.5549 looks on a white background.

Color Contrast Check

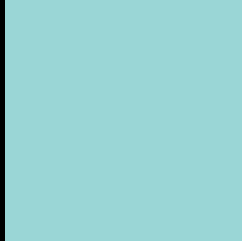
Large Text (above 18pt) WCAG AA × Fail

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 49.5106, 59.8182, 72.5549 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

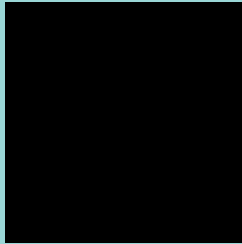
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

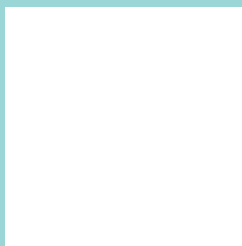
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 49.5106, 59.8182, 72.5549

Background



This preview shows how black text looks on a background with the XYZ color 49.5106, 59.8182, 72.5549.

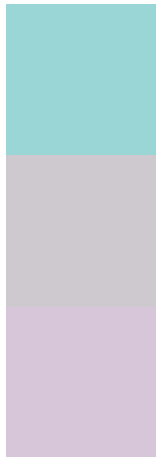


This preview shows how white text looks on a background with the XYZ color 49.5106, 59.8182,

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

49.5106, 59.8182, 72.5549

Protanopia

57.3260, 59.2574, 67.4479

Deuteranopia

60.6455, 59.4415, 74.6067



Tritanopia

51.5910, 59.9122, 82.9738

Trichromacy



Original Color

49.5106, 59.8182, 72.5549

Protanomaly

53.9539, 59.2349, 69.5626

Deuteranomaly

55.8726, 59.0591, 74.1004

Tritanomaly

50.9591, 60.0382, 79.4237

Monochromacy



Original Color

49.5106, 59.8182, 72.5549

Achromatopsia

52.4687, 55.2011, 60.1140

Achromatomaly

51.1915, 56.8474, 64.7745

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.5106, 59.8182, 72.5549 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, 214)` looks like.

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

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, 214) colored shadow looks like.

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

Border

The CSS property to change the border of an element to XYZ 49.5106, 59.8182, 72.5549 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, 214) }
```


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

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

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, 214)` colored shadow looks like.

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

Background

The CSS property to change the background color of an element to XYZ 49.5106, 59.8182, 72.5549 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, 214) }
```

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

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

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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