

Converting Colors

XYZ(49.0003, 58.7357, 72.3561)

Have a look what the booklet for
XYZ(49.0003, 58.7357, 72.3561)
contains.

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Color

**XYZ(49.0075, 58.8120,
72.3872)**

Conversions

Conversions Part 1

Format	Color
Hex	9AD4D6
RGB	154, 212, 214
RGB Percent	60%, 83%, 84%
CMY	0.3961, 0.1686, 0.1608
CMYK	0.28, 0.01, 0.00, 0.16
HSL	182°, 42%, 72%
HSV	182°, 28%, 84%
XYZ	49.0075, 58.8120, 72.3872
YIQ	194.8860, -35.2100, -11.6740

Conversions

Conversions Part 2

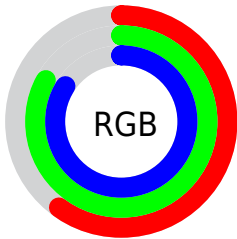
Format	Color
RYB	154, 183, 214
Decimal	10147030
CIELab	81.19, -17.98, -6.99
CIELCh	81, 19.286, 201.245
Yxy	58.8120, 0.2720, 0.3264
Android (android.graphics.Color)	4288337110 (0xFF9AD4D6)
YUV	194.8860, 9.4232, -35.8570
Hunter-Lab	76.6890, -20.1367, -2.2819

Details

The XYZ color **49.0075, 58.8120, 72.3872** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **45.4535, 40.4066, 35.9767**, and the grayscale version is **51.7660, 54.4618, 59.3089**.

A 20% lighter version of the original color is **80.3883, 92.4416, 108.2138**, and **23.6818, 29.3838, 37.2244** is the 20% darker color. If you saturate the color by 10%, you get **45.1148, 56.5429, 72.1554**, and if you desaturate by 10%, it is **53.6306, 61.4617, 72.6560**.

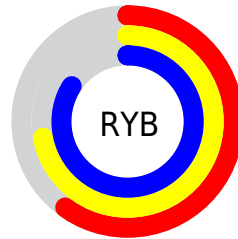
Distribution



Red (60%)

Green (83%)

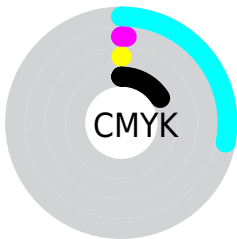
Blue (84%)



Red (60%)

Yellow (72%)

Blue (84%)

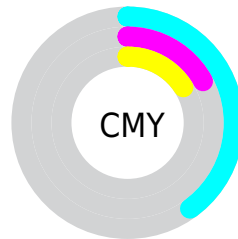


Cyan (28%)

Magenta (1%)

Yellow (0%)

Black (16%)



Cyan (40%)

Magenta (17%)


Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.0075, 58.8120, 72.3872 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 49.0075, 58.8120, 72.3872 by changing the saturation by 10% instead.

 49.0075, 58.8120,
72.3872


 49.0075, 58.8120,
72.3872


373.2883,
420.2049, 487.9019

 34.8400, 42.4618,
52.9863


 87.9032, 103.1044,
124.3197

 23.7056, 29.4631,
37.4042


 113.3622,
131.8153, 157.6884

 15.2389, 19.4314,
25.2223


143.3157,
165.4154, 196.5500

 9.0746, 11.9824,
16.0222

178.1290,
204.2888, 241.3232

 4.8474, 6.7317,
9.3854

218.1676,
248.8201, 292.4264

 2.1918, 3.2949,
4.8932

263.7968,

 0.7384, 1.2876,

299.3936, 350.2782

2.1271

315.3819,
356.3937, 415.2972

■ 0.0000, 0.1315,
0.6318

■ 0.0000, 0.0000,
0.0000

■ 49.0075, 58.8120,
72.3872

■ 49.0075, 58.8120,
72.3872

■ 45.1148, 56.5429,
72.1554

■ 53.6306, 61.4617,
72.6560

■ 41.9087, 54.6274,
71.9546

■ 59.0145, 64.5034,
72.9593

■ 39.3487, 53.0462,
71.7843

■ 65.1944, 67.9566,
73.3001

■ 37.3881, 51.7752,
71.6423

■ 72.2017, 71.8375,
73.6799

■ 35.9739, 50.7869,
71.5261

■ 77.8227, 75.0049,
73.9950

■ 35.0436, 50.0493,
71.4328

■ 78.0051, 75.3698,
74.0558

■ 34.5073, 49.5160,
71.3581

■ 78.1884, 75.7363,
74.1169

■ 34.4208, 49.4211,
71.3444

■ 78.3724, 76.1043,
74.1782

■ 78.5572, 76.4740,
74.2398

Harmonies

Analogous

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



48.6104, 58.8120, 60.7293



49.0075, 58.8120, 72.3872



51.2040, 58.8120, 82.8732

Triad

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



49.0075, 58.8120, 72.3872



62.1385, 58.8120, 78.8989



57.0825, 58.8120, 44.5744

Complementary

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



49.0075, 58.8120, 72.3872



45.4535, 40.4066, 35.9767

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.



60.8727, 58.8120, 48.2947



49.0075, 58.8120, 72.3872



63.8822, 58.8120, 67.4611

Square

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



49.0075, 58.8120, 72.3872



58.7436, 58.8120, 86.9346



63.4081, 58.8120, 56.3537



53.1478, 58.8120, 45.5595

Rectangle

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



49.0075, 58.8120, 72.3872



53.4533, 58.8120, 87.3382



63.4081, 58.8120, 56.3537



58.4183, 58.8120, 45.2981

Sweetspot

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



49.0092, 58.8144, 72.3885



87.7227, 95.9016, 108.4951



43.2905, 57.3308, 39.7959



18.5000, 20.3715, 23.2070



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.



49.0092, 58.8144, 72.3885



69.1085, 85.2700, 107.4241



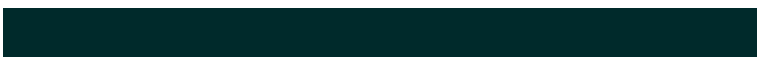
42.3987, 45.5933, 70.1850



12.7551, 14.0336, 15.9740



20.8208, 29.9033, 43.1277



1.2672, 1.8263, 2.6050

Inverse Universe

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



51.1722, 42.1622, 67.7310



72.8868, 56.4116, 99.2368



50.9144, 51.3284, 37.7970



12.9343, 12.6252, 15.5945



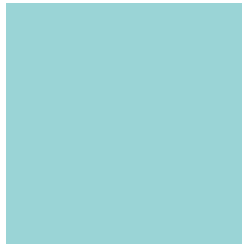
23.5682, 11.3636, 36.6259



1.4273, 0.6877, 2.2393

Previews

White Background



This preview shows how the XYZ color 49.0075, 58.8120, 72.3872 looks on a white background.

Color Contrast Check

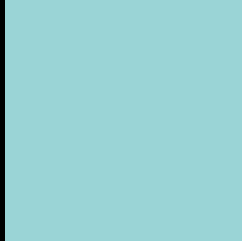
Large Text (above 18pt) WCAG AA × Fail

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 49.0075, 58.8120, 72.3872 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

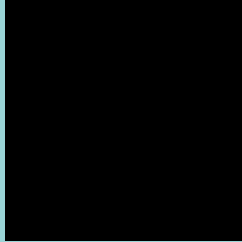
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

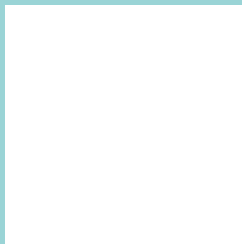
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 49.0075, 58.8120, 72.3872

Background



This preview shows how black text looks on a background with the XYZ color 49.0075, 58.8120, 72.3872.



This preview shows how white text looks on a background with the XYZ color 49.0075, 58.8120,

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

49.0075, 58.8120, 72.3872

Protanopia

56.5454, 58.5101, 67.3448

Deuteranopia

59.4801, 58.1861, 73.7417



Tritanopia

50.8163, 58.8073, 81.3457

Trichromacy



Original Color

49.0075, 58.8120, 72.3872

Protanomaly

53.2333, 58.1532, 69.3918

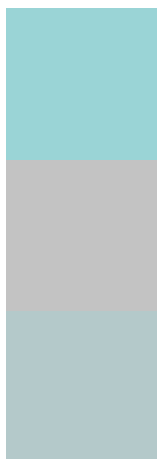
Deuteranomaly

55.0195, 57.9376, 73.2490

Tritanomaly

50.1894, 58.9304, 77.8367

Monochromacy



Original Color

49.0075, 58.8120, 72.3872

Achromatopsia

51.8711, 54.5724, 59.4294

Achromatomaly

50.3697, 55.7409, 63.9814

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.0075, 58.8120, 72.3872 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, 212, 214)` looks like.

```
.text, #text, p{  
    color:rgb(154, 212, 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, 212, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 212, 214) }
```

Border

The CSS property to change the border of an element to XYZ 49.0075, 58.8120, 72.3872 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, 212, 214) }
```


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

```
.border{ border-color:rgb(154, 212, 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, 212, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 212, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 212, 214);  
box-shadow:4px 4px 4px 4px rgb(154, 212,  
214) }
```

Background

The CSS property to change the background color of an element to XYZ 49.0075, 58.8120, 72.3872 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 212, 214) }
```

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

```
.background{ background-color: rgb(154,  
212, 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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