

Converting Colors

XYZ(49.1631, 58.5946, 72.7482)

Have a look what the booklet for
XYZ(49.1631, 58.5946, 72.7482)
contains.

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Color

**XYZ(49.0776, 58.4634,
72.9879)**

Conversions

Conversions Part 1

Format	Color
Hex	9BD3D7
RGB	155, 211, 215
RGB Percent	61%, 83%, 84%
CMY	0.3921, 0.1725, 0.1569
CMYK	0.28, 0.02, 0.00, 0.16
HSL	184°, 43%, 73%
HSV	184°, 28%, 84%
XYZ	49.0776, 58.4634, 72.9879
YIQ	194.7120, -34.6600, -10.6280

Conversions

Conversions Part 2

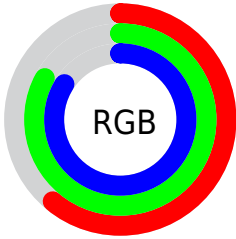
Format	Color
RYB	155, 184, 215
Decimal	10212311
CIELab	81.00, -16.96, -7.80
CIELCh	81, 18.664, 204.709
Yxy	58.4634, 0.2719, 0.3238
Android (android.graphics.Color)	4288402391 (0xFF9BD3D7)
YUV	194.7120, 10.0020, -34.8274
Hunter-Lab	76.4614, -19.2351, -3.0736

Details

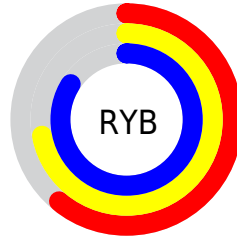
The XYZ color **49.0776, 58.4634, 72.9879** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **46.3396, 41.6104, 36.6009**, and the grayscale version is **51.6590, 54.3493, 59.1864**.

A 20% lighter version of the original color is **80.6740, 92.5889, 108.2272**, and **23.7131, 29.1398, 37.6324** is the 20% darker color. If you saturate the color by 10%, you get **44.9593, 55.8158, 72.6949**, and if you desaturate by 10%, it is **53.9371, 61.5007, 73.3190**.

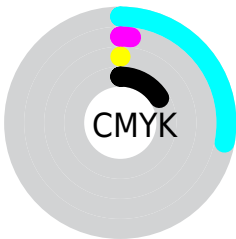
Distribution



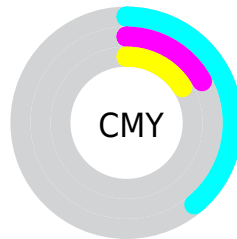
- Red (61%)
- Green (83%)
- Blue (84%)



- Red (61%)
- Yellow (72%)
- Blue (84%)



- Cyan (28%)
- Magenta (2%)
- Yellow (0%)
- Black (16%)





- Cyan (39%)
- Magenta (17%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.0776, 58.4634, 72.9879 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 49.0776, 58.4634, 72.9879 by changing the saturation by 10% instead.


 49.0776, 58.4634,
72.9879


 49.0776, 58.4634,
72.9879


373.5596,
418.9105, 490.0425

 34.8958, 42.1813,
53.4743


 88.0067, 102.5974,
125.1808

 23.7488, 29.2433,
37.7912


 113.4848,
131.2180, 158.6972

 15.2711, 19.2649,
25.5201

143.4590,
164.7204, 197.7182

 9.0974, 11.8619,
16.2424

178.2947,
203.4887, 242.6625

 4.8624, 6.6497,
9.5397

218.3573,
247.9075, 293.9485

 2.2007, 3.2440,
4.9932

264.0120,

 0.7431, 1.2604,

298.3611, 351.9948

2.1846

315.6244,
355.2340, 417.2200

■ 0.0000, 0.1102,
0.6655

■ 0.0000, 0.0000,
0.0000

■ 49.0776, 58.4634,
72.9879

■ 49.0776, 58.4634,
72.9879

■ 44.9593, 55.8158,
72.6949

■ 53.9371, 61.5007,
73.3190

■ 41.5382, 53.5309,
72.4342

■ 59.5689, 64.9394,
73.6859

■ 38.7732, 51.5889,
72.2051

■ 66.0083, 68.7992,
74.0915

■ 36.6173, 49.9656,
72.0054

■ 73.2871, 73.0964,
74.5373

■ 35.0168, 48.6332,
71.8325

■ 78.6205, 76.3955,
74.8930

■ 33.9087, 47.5594,
71.6837

■ 78.9940, 77.1424,
75.0175

■ 33.2035, 46.6979,
71.5546

■ 79.3706, 77.8958,
75.1431

■ 33.0773, 46.5291,
71.5286

■ 79.7506, 78.6556,
75.2697

■ 80.1337, 79.4219,
75.3974

Harmonies

Analogous

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



48.4820, 58.4634, 61.7115



49.0776, 58.4634, 72.9879



51.3782, 58.4634, 82.6859

Triad

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



49.0776, 58.4634, 72.9879



61.8661, 58.4634, 76.7809



56.2568, 58.4634, 44.7054

Complementary

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



49.0776, 58.4634, 72.9879



46.3396, 41.6104, 36.6009

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.



59.9790, 58.4634, 47.7969



49.0776, 58.4634, 72.9879



63.3122, 58.4634, 65.6424

Square

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



49.0776, 58.4634, 72.9879



58.7369, 58.4634, 85.0478



62.6062, 58.4634, 55.1568



52.5146, 58.4634, 46.1916

Rectangle

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



49.0776, 58.4634, 72.9879



53.6281, 58.4634, 86.5080



62.6062, 58.4634, 55.1568



57.5535, 58.4634, 45.2319

Sweetspot

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



49.0793, 58.4658, 72.9892



87.5070, 95.4700, 108.4232



43.9907, 58.0392, 41.2332



18.4452, 20.2619, 23.1887



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.



49.0793, 58.4658, 72.9892



68.8093, 83.8559, 107.1669



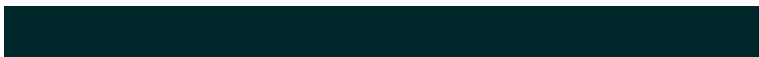
42.5125, 45.3320, 70.8003



12.7181, 13.9595, 15.9617



19.8150, 27.8917, 42.7924



1.2169, 1.7259, 2.5883

Inverse Universe

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



51.5050, 42.5943, 67.1376



72.9349, 57.1933, 97.1399



51.9251, 52.7813, 38.4627



12.9156, 12.6178, 15.4960



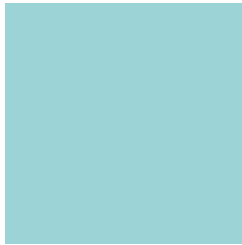
23.0605, 11.1605, 33.9525



1.4019, 0.6776, 2.1058

Previews

White Background



This preview shows how the XYZ color 49.0776, 58.4634, 72.9879 looks on a white background.

Color Contrast Check

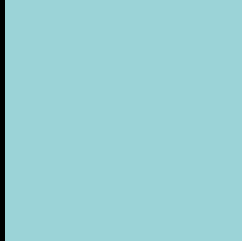
Large Text (above 18pt) WCAG AA × Fail

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 49.0776, 58.4634, 72.9879 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 49.0776, 58.4634, 72.9879

Background



This preview shows how black text looks on a background with the XYZ color 49.0776, 58.4634, 72.9879.

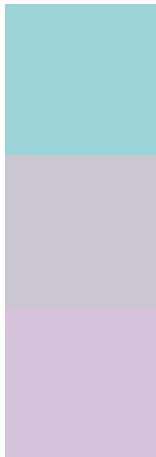


This preview shows how white text looks on a background with the XYZ color 49.0776, 58.4634,

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

49.0776, 58.4634, 72.9879

Protanopia

56.1657, 57.9575, 67.9012

Deuteranopia

59.3214, 58.0892, 74.4154



Tritanopia

50.4326, 58.2600, 80.5387

Trichromacy



Original Color

49.0776, 58.4634, 72.9879

Protanomaly

53.1214, 57.7293, 69.9711

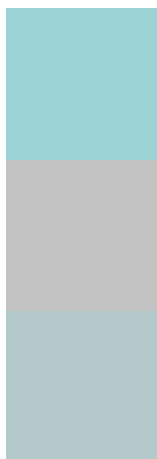
Deuteranomaly

54.8969, 57.8594, 73.9202

Tritanomaly

49.9417, 58.4350, 77.7541

Monochromacy



Original Color

49.0776, 58.4634, 72.9879

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 49.0776, 58.4634, 72.9879 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(155, 211, 215)` looks like.

```
.text, #text, p{  
    color:rgb(155, 211, 215)  
}
```

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(155, 211, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 211, 215) }
```

Border

The CSS property to change the border of an element to XYZ 49.0776, 58.4634, 72.9879 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(155, 211, 215) }
```


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

```
.border{ border-color:rgb(155, 211, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(155, 211, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 211, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 211, 215);  
box-shadow:4px 4px 4px 4px rgb(155, 211,  
215) }
```

Background

The CSS property to change the background color of an element to XYZ 49.0776, 58.4634, 72.9879 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 211, 215) }
```

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

```
.background{ background-color: rgb(155,  
211, 215) }
```

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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