

Converting Colors

XYZ(48.9434, 55.9725, 75.8106)

Have a look what the booklet for
XYZ(48.9434, 55.9725, 75.8106)
contains.

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Color

**XYZ(49.0477, 56.2009,
75.9729)**

Conversions

Conversions Part 1

Format	Color
Hex	9FCDDC
RGB	159, 205, 220
RGB Percent	62%, 80%, 86%
CMY	0.3765, 0.1961, 0.1372
CMYK	0.28, 0.07, 0.00, 0.14
HSL	195°, 47%, 74%
HSV	195°, 28%, 86%
XYZ	49.0477, 56.2009, 75.9729
YIQ	192.9560, -32.2310, -5.0870

Conversions

Conversions Part 2

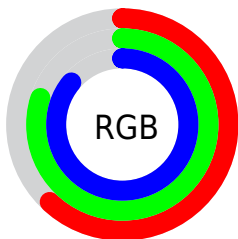
Format	Color
RYB	159, 185, 220
Decimal	10472924
CIELab	79.73, -11.57, -12.34
CIELCh	80, 16.919, 226.843
Yxy	56.2009, 0.2707, 0.3101
Android (android.graphics.Color)	4288663004 (0xFF9FCDDC)
YUV	192.9560, 13.3327, -29.7794
Hunter-Lab	74.9673, -14.4082, -7.6083

Details

The XYZ color **49.0477, 56.2009, 75.9729** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **50.9100, 47.9914, 39.3823**, and the grayscale version is **50.6018, 53.2371, 57.9751**.

A 20% lighter version of the original color is **81.8343, 93.1871, 108.2815**, and **23.8020, 27.9140, 39.7308** is the 20% darker color. If you saturate the color by 10%, you get **43.7960, 51.6071, 75.3639**, and if you desaturate by 10%, it is **55.1239, 61.2889, 76.6357**.

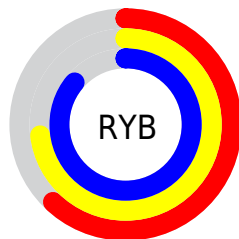
Distribution



Red (62%)

Green (80%)

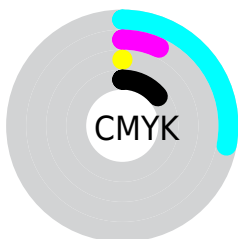
Blue (86%)



Red (62%)

Yellow (73%)

Blue (86%)

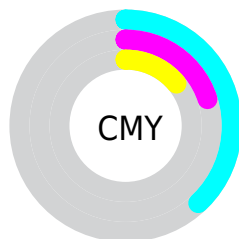


Cyan (28%)

Magenta (7%)

Yellow (0%)

Black (14%)



Cyan (38%)

Magenta (20%)

Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.0477, 56.2009, 75.9729 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 49.0477, 56.2009, 75.9729 by changing the saturation by 10% instead.

■ 49.0477, 56.2009,
75.9729

■ 49.0477, 56.2009,
75.9729

373.4439,
410.4482, 500.5993

■ 34.8720, 40.3640,
55.9038

■ 87.9626, 99.2983,
129.4483

■ 23.7304, 27.8225,
39.7223

■ 113.4325,
127.3275, 163.6917

■ 15.2574, 18.1919,
27.0099

143.3979,
160.1897, 203.4969

■ 9.0877, 11.0878,
17.3482

178.2240,
198.2692, 249.2825

■ 4.8560, 6.1259,
10.3185

218.2764,
241.9504, 301.4670

■ 2.1969, 2.9218,
5.5023

263.9202,

■ 0.7411, 1.0911,

291.6177, 360.4689

2.4810

315.5210,
347.6555, 426.7068

■ 0.0000, 0.0000,
0.8301

■ 0.0000, 0.0000,
0.0000

■ 49.0477, 56.2009,
75.9729

■ 49.0477, 56.2009,
75.9729

■ 43.7960, 51.6071,
75.3639

■ 55.1239, 61.2889,
76.6357

■ 39.3222, 47.4787,
74.8029

■ 62.0583, 66.8850,
77.3503

■ 35.5825, 43.7939,
74.2887

■ 69.8884, 73.0105,
78.1200

■ 32.5266, 40.5259,
73.8190

■ 78.6483, 79.6838,
78.9464

■ 30.0973, 37.6447,
73.3909

■ 83.0289, 84.1684,
79.5811

■ 28.2278, 35.1151,
73.0012

■ 84.5755, 87.2615,
80.0966

■ 26.8255, 32.8886,
72.6453

■ 86.1694, 90.4493,
80.6279

■ 26.5384, 32.4073,
72.5676

■ 87.8109, 93.7324,
81.1751

■ 89.5006, 97.1116,
81.7383

Harmonies

Analogous

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



47.3719, 56.2009, 66.8093



49.0477, 56.2009, 75.9729



51.9355, 56.2009, 81.4075

Triad

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



49.0477, 56.2009, 75.9729



60.0745, 56.2009, 65.5774



51.5359, 56.2009, 44.8915

Complementary

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



49.0477, 56.2009, 75.9729



50.9100, 47.9914, 39.3823

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.



54.9269, 56.2009, 44.6371



49.0477, 56.2009, 75.9729



59.9562, 56.2009, 55.9010

Square

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



49.0477, 56.2009, 75.9729



58.3553, 56.2009, 74.9886



58.0389, 56.2009, 48.4666



48.7659, 56.2009, 49.2029

Rectangle

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



49.0477, 56.2009, 75.9729



54.2040, 56.2009, 81.8436



58.0389, 56.2009, 48.4666



52.6382, 56.2009, 44.3461

Sweetspot

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



49.0494, 56.2032, 75.9742



86.3598, 93.1756, 108.0408



47.4579, 61.5846, 49.0407



18.1543, 19.6803, 23.0918



0.0000, 0.0000, 0.0000



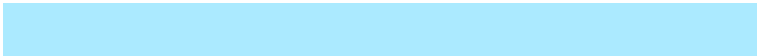
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



49.0494, 56.2032, 75.9742



64.3232, 74.8836, 105.6715



42.5996, 43.3035, 73.8242



13.1596, 14.2589, 16.7108



15.6666, 19.2027, 42.6192



1.0809, 1.3760, 2.7831

Inverse Universe

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



52.9342, 44.4211, 63.5443



70.6705, 56.2876, 85.2158



57.3038, 60.7791, 41.5136



13.4704, 13.2173, 15.7385



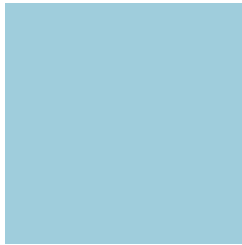
21.4031, 10.5623, 22.3007



1.4199, 0.6976, 1.6201

Previews

White Background



This preview shows how the XYZ color 49.0477, 56.2009, 75.9729 looks on a white background.

Color Contrast Check

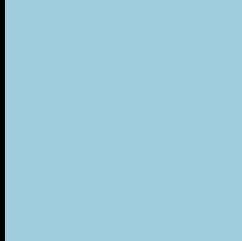
Large Text (above 18pt) WCAG AA × Fail

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 49.0477, 56.2009, 75.9729 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

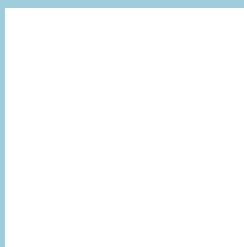
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 49.0477, 56.2009, 75.9729

Background



This preview shows how black text looks on a background with the XYZ color 49.0477, 56.2009, 75.9729.



This preview shows how white text looks on a background with the XYZ color 49.0477, 56.2009,

75.9729.

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

49.0477, 56.2009, 75.9729

Protanopia

54.6425, 56.0707, 71.5611

Deuteranopia

57.0708, 55.8644, 77.5870



Tritanopia

49.1805, 56.2540, 76.6726

Trichromacy



Original Color

49.0477, 56.2009, 75.9729

Protanomaly

52.3465, 55.8720, 72.9912

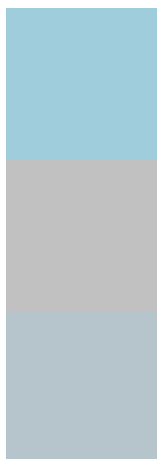
Deuteranomaly

53.8901, 55.8978, 77.0563

Tritanomaly

49.1805, 56.2540, 76.6726

Monochromacy



Original Color

49.0477, 56.2009, 75.9729

Achromatopsia

50.6879, 53.3276, 58.0738

Achromatomaly

49.8018, 54.0681, 64.3113

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.0477, 56.2009, 75.9729 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(159, 205, 220)` looks like.

```
.text, #text, p{  
    color:rgb(159, 205, 220)  
}
```

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(159, 205, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 205, 220) }
```

Border

The CSS property to change the border of an element to XYZ 49.0477, 56.2009, 75.9729 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(159, 205, 220) }
```


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

```
.border{ border-color:rgb(159, 205, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 205, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 205, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 205, 220);  
box-shadow:4px 4px 4px 4px rgb(159, 205,  
220) }
```

Background

The CSS property to change the background color of an element to XYZ 49.0477, 56.2009, 75.9729 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 205, 220) }
```

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

```
.background{ background-color: rgb(159,  
205, 220) }
```

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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