

Converting Colors

XYZ(49.4650, 59.0781, 77.8696)

Have a look what the booklet for
XYZ(49.4650, 59.0781, 77.8696)
contains.

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Color

**XYZ(49.3060, 58.8449,
77.8667)**

Conversions

Conversions Part 1

Format	Color
Hex	96D4DE
RGB	150, 212, 222
RGB Percent	59%, 83%, 87%
CMY	0.4118, 0.1686, 0.1294
CMYK	0.32, 0.05, 0.00, 0.13
HSL	188°, 52%, 73%
HSV	188°, 32%, 87%
XYZ	49.3060, 58.8449, 77.8667
YIQ	194.6020, -40.1620, -10.0340

Conversions

Conversions Part 2

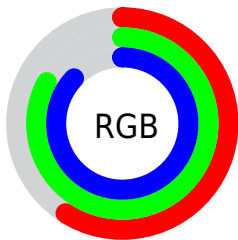
Format	Color
RYB	150, 183, 222
Decimal	9884894
CIELab	81.21, -17.24, -11.26
CIElCh	81, 20.590, 213.136
Yxy	58.8449, 0.2651, 0.3163
Android (android.graphics.Color)	4288074974 (0xFF96D4DE)
YUV	194.6020, 13.5072, -39.1160
Hunter-Lab	76.7104, -19.5115, -6.4864

Details

The XYZ color **49.3060, 58.8449, 77.8667** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **48.2009, 42.8739, 34.5907**, and the grayscale version is **51.5759, 54.2618, 59.0911**.

A 20% lighter version of the original color is **79.2636, 91.8618, 108.1612**, and **23.8559, 29.3908, 40.9749** is the 20% darker color. If you saturate the color by 10%, you get **44.8387, 55.4102, 77.4402**, and if you desaturate by 10%, it is **54.5655, 62.7127, 78.3370**.

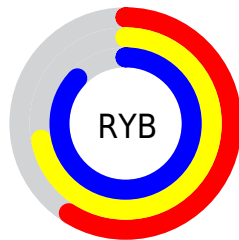
Distribution



Red (59%)

Green (83%)

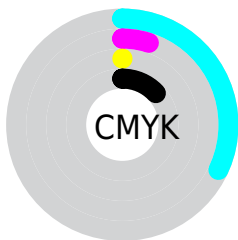
Blue (87%)



Red (59%)

Yellow (72%)

Blue (87%)

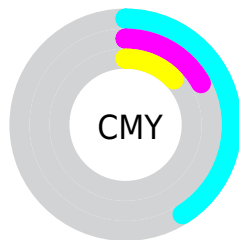


Cyan (32%)

Magenta (5%)

Yellow (0%)

Black (13%)



Cyan (41%)

Magenta (17%)

Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.3060, 58.8449, 77.8667 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 49.3060, 58.8449, 77.8667 by changing the saturation by 10% instead.

■ 49.3060, 58.8449,
77.8667

■ 49.3060, 58.8449,
77.8667

374.4427,
420.3269, 507.2299

■ 35.0778, 42.4883,
57.4487

■ 88.3438, 103.1522,
132.1464

■ 23.8896, 29.4838,
40.9538

■ 113.8840,
131.8717, 166.8451

■ 15.3761, 19.4471,
27.9636

143.9257,
165.4809, 207.1411

■ 9.1718, 11.9938,
18.0594

178.8342,
204.3643, 253.4530

■ 4.9114, 6.7395,
10.8228

218.9747,
248.9061, 306.1993

■ 2.2296, 3.2997,
5.8351

264.7128,

■ 0.7583, 1.2901,

299.4909, 365.7985

2.6779

316.4137,
356.5031, 432.6692

■ 0.0000, 0.1335,
0.9323

■ 0.0000, 0.0000,
0.0000

■ 49.3060, 58.8449,
77.8667

■ 49.3060, 58.8449,
77.8667

■ 44.8387, 55.4102,
77.4402

■ 54.5655, 62.7127,
78.3370

■ 41.1142, 52.3788,
77.0514

■ 60.6522, 67.0274,
78.8491

■ 38.0862, 49.7280,
76.6993

■ 67.6057, 71.8111,
79.4059

■ 35.7006, 47.4298,
76.3815

■ 75.4612, 77.0820,
80.0093

■ 33.8952, 45.4521,
76.0949

■ 82.0084, 81.7007,
80.5557

■ 32.5950, 43.7561,
75.8360

■ 82.8611, 83.4063,
80.8400

■ 31.8539, 42.6117,
75.6542

■ 83.7291, 85.1423,
81.1293

■ 84.6124, 86.9088,
81.4237

■ 85.5110, 88.7059,
81.7232

Harmonies

Analogous

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



48.0946, 58.8449, 65.3727



49.3060, 58.8449, 77.8667



52.2865, 58.8449, 87.5311

Triad

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



49.3060, 58.8449, 77.8667



63.6131, 58.8449, 75.3461



55.4804, 58.8449, 43.2672

Complementary

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



49.3060, 58.8449, 77.8667



48.2009, 42.8739, 34.5907

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.



59.7396, 58.8449, 45.2305



49.3060, 58.8449, 77.8667



64.5740, 58.8449, 62.7888

Square

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



49.3060, 58.8449, 77.8667



60.5597, 58.8449, 85.9502



63.1229, 58.8449, 52.0112



51.5431, 58.8449, 46.2625

Rectangle

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



49.3060, 58.8449, 77.8667



54.9507, 58.8449, 90.4932



63.1229, 58.8449, 52.0112



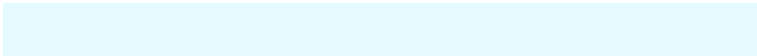
56.9215, 58.8449, 43.3704

Sweetspot

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



49.3078, 58.8472, 77.8681



85.1637, 93.2419, 108.1166



45.0105, 61.2518, 42.5265



17.9523, 19.7657, 23.1189



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.



49.3078, 58.8472, 77.8681



63.1851, 77.2665, 106.1915



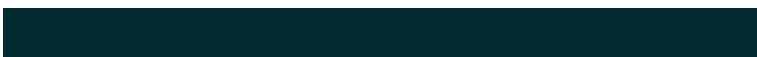
41.3677, 42.9672, 75.2214



13.9458, 15.2308, 17.5925



18.9816, 25.4329, 44.9570



1.3610, 1.8534, 3.1313

Inverse Universe

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



52.9157, 42.0973, 67.6265



68.9587, 51.2484, 89.6258



55.2802, 57.0325, 36.9505



14.2089, 13.9012, 16.8701



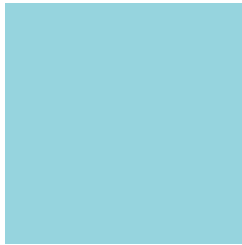
23.5213, 11.4755, 30.4744



1.6532, 0.8046, 2.2327

Previews

White Background



This preview shows how the XYZ color 49.3060, 58.8449, 77.8667 looks on a white background.

Color Contrast Check

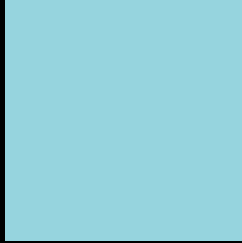
Large Text (above 18pt) WCAG AA × Fail

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 49.3060, 58.8449, 77.8667 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

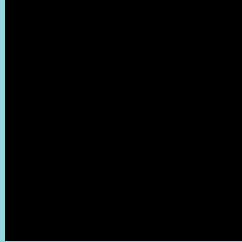
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.3060, 58.8449, 77.8667

Background



This preview shows how black text looks on a background with the XYZ color 49.3060, 58.8449, 77.8667.

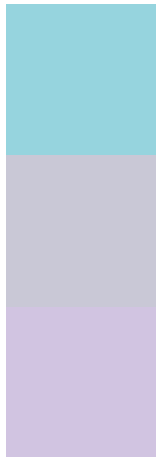


This preview shows how white text looks on a background with the XYZ color 49.3060, 58.8449,

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

49.3060, 58.8449, 77.8667

Protanopia

56.8793, 58.5811, 71.9278

Deuteranopia

59.6250, 58.4714, 79.3777



Tritanopia

50.0604, 58.7693, 82.1039

Trichromacy



Original Color

49.3060, 58.8449, 77.8667

Protanomaly

53.4087, 58.1406, 74.0530

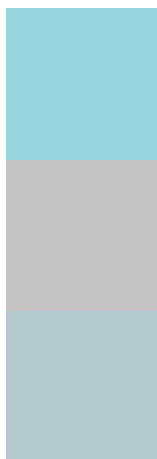
Deuteranomaly

55.3141, 58.3142, 78.8614

Tritanomaly

49.7842, 58.6588, 80.6499

Monochromacy



Original Color

49.3060, 58.8449, 77.8667

Achromatopsia

51.8711, 54.5724, 59.4294

Achromatomaly

50.4965, 55.7648, 65.8598

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.3060, 58.8449, 77.8667 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(150, 212, 222)` looks like.

```
.text, #text, p{  
    color:rgb(150, 212, 222)  
}
```

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(150, 212, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 212, 222) }
```

Border

The CSS property to change the border of an element to XYZ 49.3060, 58.8449, 77.8667 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(150, 212, 222) }
```


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

```
.border{ border-color:rgb(150, 212, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 212, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 212, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 212, 222);  
box-shadow:4px 4px 4px 4px rgb(150, 212,  
222) }
```

Background

The CSS property to change the background color of an element to XYZ 49.3060, 58.8449, 77.8667 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 212, 222) }
```

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

```
.background{ background-color: rgb(150,  
212, 222) }
```

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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