

Converting Colors

XYZ(49.9200, 60.7144, 76.1017)

Have a look what the booklet for
XYZ(49.9200, 60.7144, 76.1017)
contains.

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Color

**XYZ(49.9197, 60.7102,
76.1050)**

Conversions

Conversions Part 1

Format	Color
Hex	96D8DB
RGB	150, 216, 219
RGB Percent	59%, 85%, 86%
CMY	0.4118, 0.1529, 0.1412
CMYK	0.32, 0.01, 0.00, 0.14
HSL	183°, 49%, 72%
HSV	183°, 32%, 86%
XYZ	49.9197, 60.7102, 76.1050
YIQ	196.6080, -40.2990, -13.0590

Conversions

Conversions Part 2

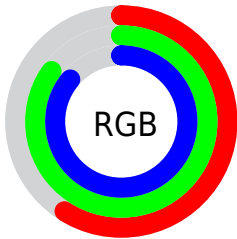
Format	Color
RYB	150, 184, 219
Decimal	9885915
CIELab	82.22, -19.96, -8.14
CIELCh	82, 21.560, 202.192
Yxy	60.7102, 0.2673, 0.3251
Android (android.graphics.Color)	4288075995 (0xFF96D8DB)
YUV	196.6080, 11.0393, -40.8752
Hunter-Lab	77.9168, -21.9929, -3.3696

Details

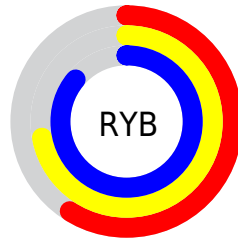
The XYZ color **49.9197, 60.7102, 76.1050** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **46.1105, 40.0451, 34.1546**, and the grayscale version is **52.7891, 55.5382, 60.4811**.

A 20% lighter version of the original color is **79.2636, 91.8618, 108.1612**, and **24.2696, 30.6569, 39.7602** is the 20% darker color. If you saturate the color by 10%, you get **46.0178, 58.3394, 75.8541**, and if you desaturate by 10%, it is **54.5797, 63.4770, 76.3944**.

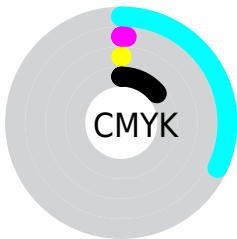
Distribution



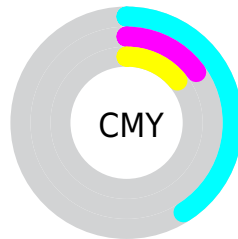
- Red (59%)
- Green (85%)
- Blue (86%)



- Red (59%)
- Yellow (72%)
- Blue (86%)



- Cyan (32%)
- Magenta (1%)
- Yellow (0%)
- Black (14%)



- Cyan (41%)
- Magenta (15%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.9197, 60.7102, 76.1050 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 49.9197, 60.7102, 76.1050 by changing the saturation by 10% instead.

■ 49.9197, 60.7102,
76.1050

■ 49.9197, 60.7102,
76.1050

376.8090,
427.2106, 501.0635

■ 35.5671, 43.9913,
56.0114

■ 89.2484, 105.8592,
129.6368

■ 24.2686, 30.6637,
39.8080

■ 114.9553,
135.0582, 163.9121

■ 15.6588, 20.3429,
27.0763

145.1776,
169.1859, 203.7517

■ 9.3724, 12.6445,
17.3976

180.2808,
208.6269, 249.5741

■ 5.0439, 7.1842,
10.3534

220.6302,
253.7654, 301.7980

■ 2.3081, 3.5776,
5.5252

266.5911,

■ 0.7988, 1.4402,

304.9860, 360.8418

2.4945

318.5289,
362.6729, 427.1241

■ 0.0000, 0.2461,
0.8373

■ 0.0000, 0.0000,
0.0000

■ 49.9197, 60.7102,
76.1050

■ 49.9197, 60.7102,
76.1050

■ 46.0178, 58.3394,
75.8541

■ 54.5797, 63.4770,
76.3944

■ 42.8265, 56.3355,
75.6355

■ 60.0313, 66.6523,
76.7200

■ 40.3016, 54.6772,
75.4485

■ 66.3123, 70.2574,
77.0848

■ 38.3914, 53.3379,
75.2906

■ 73.4566, 74.3097,
77.4905

■ 37.0368, 52.2871,
75.1592

■ 79.8198, 77.9613,
77.8599

■ 36.1668, 51.4883,
75.0509

■ 80.0713, 78.4645,
77.9438

■ 35.7066, 50.9550,
74.9722

■ 80.3243, 78.9704,
78.0281

■ 80.5787, 79.4793,
78.1129

■ 80.8346, 79.9910,
78.1982

Harmonies

Analogous

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



49.4028, 60.7102, 62.7323



49.9197, 60.7102, 76.1050



52.4662, 60.7102, 88.1232

Triad

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



49.9197, 60.7102, 76.1050



64.9520, 60.7102, 82.8188



58.9091, 60.7102, 44.1127

Complementary

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



49.9197, 60.7102, 76.1050



46.1105, 40.0451, 34.1546

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.



63.2776, 60.7102, 48.0955



49.9197, 60.7102, 76.1050



66.8849, 60.7102, 69.5925

Square

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



49.9197, 60.7102, 76.1050



61.0974, 60.7102, 92.3432



66.2565, 60.7102, 57.0183



54.4372, 60.7102, 45.3740

Rectangle

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



49.9197, 60.7102, 76.1050



55.0490, 60.7102, 93.1712



66.2565, 60.7102, 57.0183



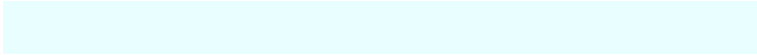
60.4414, 60.7102, 44.8619

Sweetspot

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



49.9215, 60.7126, 76.1064



86.7877, 95.2697, 108.4224



43.6025, 59.4251, 39.0081



18.3100, 20.2382, 23.1913



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.



49.9215, 60.7126, 76.1064



66.6020, 83.3627, 107.1881



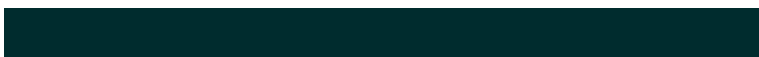
42.1340, 45.1377, 73.5106



13.3939, 14.7275, 16.7889



21.1936, 30.2567, 44.4615



1.3884, 1.9908, 2.8855

Inverse Universe

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



52.5159, 41.8320, 70.2749



70.8635, 52.6997, 97.5308



52.4475, 52.7192, 36.2670



13.5887, 13.2646, 16.3612



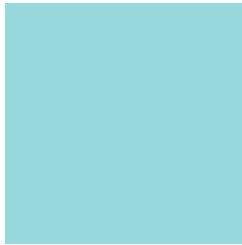
24.1929, 11.6782, 36.9915



1.5751, 0.7597, 2.4372

Previews

White Background



This preview shows how the XYZ color 49.9197, 60.7102, 76.1050 looks on a white background.

Color Contrast Check

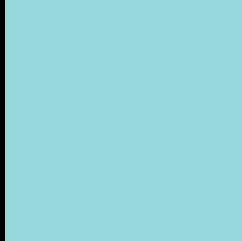
Large Text (above 18pt) WCAG AA × Fail

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 49.9197, 60.7102, 76.1050 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

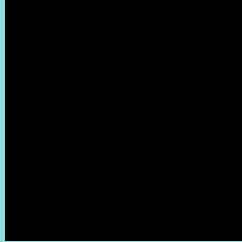
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.9197, 60.7102, 76.1050

Background



This preview shows how black text looks on a background with the XYZ color 49.9197, 60.7102, 76.1050.

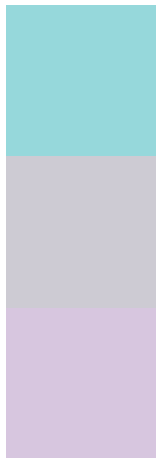


This preview shows how white text looks on a background with the XYZ color 49.9197, 60.7102,

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

49.9197, 60.7102, 76.1050

Protanopia

58.2906, 60.3942, 70.2130

Deuteranopia

61.5377, 60.1630, 78.1813



Tritanopia

51.6072, 60.6350, 84.5850

Trichromacy



Original Color

49.9197, 60.7102, 76.1050

Protanomaly

54.7011, 60.2811, 72.3707

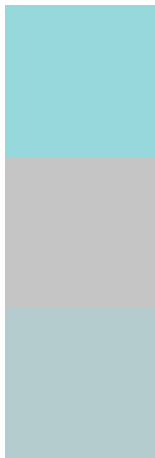
Deuteranomaly

56.5020, 60.0129, 77.7129

Tritanomaly

51.1145, 60.8223, 81.7189

Monochromacy



Original Color

49.9197, 60.7102, 76.1050

Achromatopsia

53.0703, 55.8340, 60.8033

Achromatomaly

51.4347, 57.2968, 66.1061

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.9197, 60.7102, 76.1050 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, 216, 219)` looks like.

```
.text, #text, p{  
    color:rgb(150, 216, 219)  
}
```

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, 216, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 216, 219) }
```

Border

The CSS property to change the border of an element to XYZ 49.9197, 60.7102, 76.1050 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, 216, 219) }
```


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

```
.border{ border-color:rgb(150, 216, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 216, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 216, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 216, 219);  
box-shadow:4px 4px 4px 4px rgb(150, 216,  
219) }
```

Background

The CSS property to change the background color of an element to XYZ 49.9197, 60.7102, 76.1050 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 216, 219) }
```

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

```
.background{ background-color: rgb(150,  
216, 219) }
```

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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