

Converting Colors

XYZ(50.0058, 56.1180, 75.3060)

Have a look what the booklet for
XYZ(50.0058, 56.1180, 75.3060)
contains.

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Color

**XYZ(49.8680, 55.9333,
75.1857)**

Conversions

Conversions Part 1

Format	Color
Hex	A6CBDB
RGB	166, 203, 219
RGB Percent	65%, 80%, 86%
CMY	0.3490, 0.2039, 0.1412
CMYK	0.24, 0.07, 0.00, 0.14
HSL	198°, 42%, 75%
HSV	198°, 24%, 86%
XYZ	49.8680, 55.9333, 75.1857
YIQ	193.7610, -27.1880, -2.8680

Conversions

Conversions Part 2

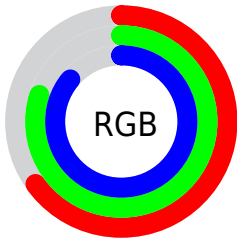
Format	Color
RYB	166, 188, 219
Decimal	10931163
CIELab	79.58, -8.69, -11.99
CIElCh	80, 14.809, 234.056
Yxy	55.9333, 0.2755, 0.3090
Android (android.graphics.Color)	4289121243 (0xFFA6CBDB)
YUV	193.7610, 12.4428, -24.3464
Hunter-Lab	74.7886, -11.8586, -7.2528

Details

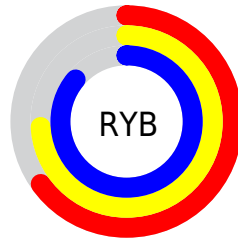
The XYZ color **49.8680, 55.9333, 75.1857** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **52.8250, 51.2695, 43.1895**, and the grayscale version is **51.0786, 53.7386, 58.5214**.

A 20% lighter version of the original color is **83.9342, 94.2696, 108.3798**, and **24.2583, 27.6859, 39.1873** is the 20% darker color. If you saturate the color by 10%, you get **44.1347, 50.7107, 74.4807**, and if you desaturate by 10%, it is **56.4530, 61.6966, 75.9520**.

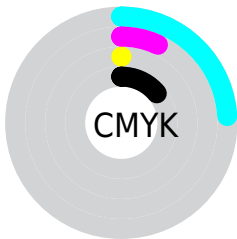
Distribution



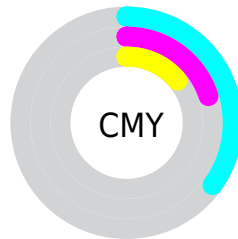
- Red (65%)
- Green (80%)
- Blue (86%)



- Red (65%)
- Yellow (74%)
- Blue (86%)



- Cyan (24%)
- Magenta (7%)
- Yellow (0%)
- Black (14%)



- Cyan (35%)
- Magenta (20%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.8680, 55.9333, 75.1857 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 49.8680, 55.9333, 75.1857 by changing the saturation by 10% instead.

■ 49.8680, 55.9333,
75.1857

■ 49.8680, 55.9333,
75.1857

376.6100,
409.4401, 497.8280

■ 35.5259, 40.1494,
55.2624

■ 89.1723, 98.9070,
128.3247

■ 24.2367, 27.6551,
39.2118

■ 114.8651,
126.8657, 162.3775

■ 15.6350, 18.0658,
26.6155

145.0723,
159.6515, 201.9772

■ 9.3554, 10.9973,
17.0547

180.1591,
197.6487, 247.5423

■ 5.0327, 6.0650,
10.1112

220.4909,
241.2418, 299.4914

■ 2.3014, 2.8846,
5.3662

266.4331,

■ 0.7954, 1.0718,

290.8151, 358.2430

2.4012

318.3511,
346.7531, 424.2157

■ 0.0000, 0.0000,
0.7871

■ 0.0000, 0.0000,
0.0000

■ 49.8680, 55.9333,
75.1857

■ 49.8680, 55.9333,
75.1857

■ 44.1347, 50.7107,
74.4807

■ 56.4530, 61.6966,
75.9520

■ 39.2076, 45.9999,
73.8312

■ 63.9221, 68.0143,
76.7778

■ 35.0445, 41.7794,
73.2359

■ 72.3125, 74.9081,
77.6662

■ 31.5971, 38.0229,
72.6925

■ 81.6572, 82.3962,
78.6190

■ 28.8111, 34.7012,
72.1982

■ 84.0380, 86.3978,
79.2659

■ 26.6239, 31.7807,
71.7498

■ 85.9773, 90.2764,
79.9123

■ 24.9594, 29.2208,
71.3434

■ 87.9877, 94.2973,
80.5825

■ 24.1607, 27.8632,
71.1235

■ 89.7864, 97.8945,
81.1820

Harmonies

Analogous

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



48.0975, 55.9333, 67.8431



49.8680, 55.9333, 75.1857



52.5714, 55.9333, 78.7366

Triad

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



49.8680, 55.9333, 75.1857



59.0717, 55.9333, 62.6182



50.8600, 55.9333, 47.1050

Complementary

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



49.8680, 55.9333, 75.1857



52.8250, 51.2695, 43.1895

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.



53.7589, 55.9333, 45.9867



49.8680, 55.9333, 75.1857



58.5720, 55.9333, 54.4510

Square

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



49.8680, 55.9333, 75.1857



57.9409, 55.9333, 71.0576



56.5999, 55.9333, 48.5524



48.6551, 55.9333, 51.7630

Rectangle

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



49.8680, 55.9333, 75.1857



54.5675, 55.9333, 78.2589



56.5999, 55.9333, 48.5524



51.7826, 55.9333, 46.3220

Sweetspot

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



49.8697, 55.9356, 75.1870



87.0903, 93.3807, 108.0419



49.4917, 62.1444, 53.5896



18.5005, 19.8692, 23.1100



0.0000, 0.0000, 0.0000



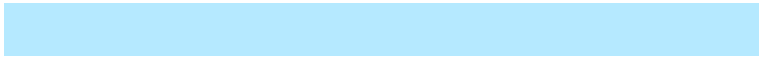
20.3446, 21.4041, 23.3091

Same Dimension

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



49.8697, 55.9356, 75.1870



66.1658, 75.1458, 105.6250



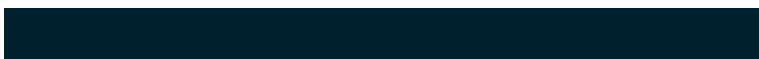
44.1565, 44.5093, 73.2826



13.0959, 14.1315, 16.6896



14.4263, 16.7220, 42.2057



1.0089, 1.2319, 2.7591

Inverse Universe

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



53.6305, 46.6457, 62.6793



72.4361, 60.1929, 84.6508



58.7509, 63.1214, 45.1648



13.4383, 13.2044, 15.5691



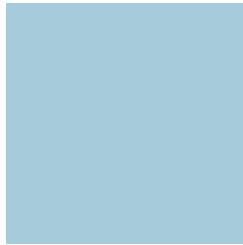
20.7770, 10.3119, 19.0038



1.3835, 0.6831, 1.4287

Previews

White Background



This preview shows how the XYZ color 49.8680, 55.9333, 75.1857 looks on a white background.

Color Contrast Check

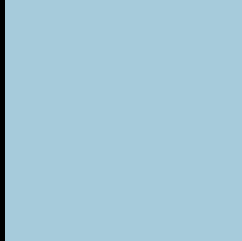
Large Text (above 18pt) WCAG AA × Fail

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 49.8680, 55.9333, 75.1857 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

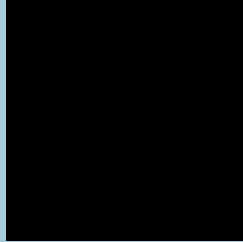
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.8680, 55.9333, 75.1857

Background



This preview shows how black text looks on a background with the XYZ color 49.8680, 55.9333, 75.1857.



This preview shows how white text looks on a background with the XYZ color 49.8680, 55.9333,

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

49.8680, 55.9333, 75.1857

Protanopia

54.1584, 55.4874, 71.4740

Deuteranopia

56.8026, 55.7571, 76.1750



Tritanopia

49.8680, 55.9333, 75.1857

Trichromacy



Original Color

49.8680, 55.9333, 75.1857

Protanomaly

52.3559, 55.5364, 72.9259

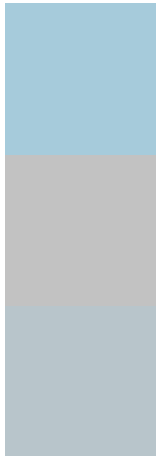
Deuteranomaly

53.8934, 55.5943, 75.6004

Tritanomaly

49.8680, 55.9333, 75.1857

Monochromacy



Original Color

49.8680, 55.9333, 75.1857

Achromatopsia

51.2775, 53.9479, 58.7493

Achromatomaly

50.5129, 54.4346, 64.3445

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.8680, 55.9333, 75.1857 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(166, 203, 219)` looks like.

```
.text, #text, p{  
    color:rgb(166, 203, 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(166, 203, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 203, 219) }
```

Border

The CSS property to change the border of an element to XYZ 49.8680, 55.9333, 75.1857 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(166, 203, 219) }
```


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

```
.border{ border-color:rgb(166, 203, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 203, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 203, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 203, 219);  
box-shadow:4px 4px 4px 4px rgb(166, 203,  
219) }
```

Background

The CSS property to change the background color of an element to XYZ 49.8680, 55.9333, 75.1857 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 203, 219) }
```

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

```
.background{ background-color: rgb(166,  
203, 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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