

Converting Colors

XYZ(49.8251, 55.0888, 75.3505)

Have a look what the booklet for
XYZ(49.8251, 55.0888, 75.3505)
contains.

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Color

**XYZ(49.8213, 55.2126,
75.0491)**

Conversions

Conversions Part 1

Format	Color
Hex	A8C9DB
RGB	168, 201, 219
RGB Percent	66%, 79%, 86%
CMY	0.3412, 0.2117, 0.1412
CMYK	0.23, 0.08, 0.00, 0.14
HSL	201°, 41%, 76%
HSV	201°, 23%, 86%
XYZ	49.8213, 55.2126, 75.0491
YIQ	193.1850, -25.4460, -1.3980

Conversions

Conversions Part 2

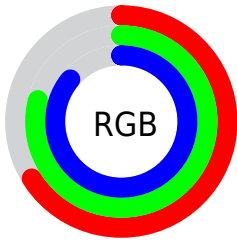
Format	Color
RYB	168, 188, 219
Decimal	11061723
CIELab	79.16, -7.04, -12.59
CIELCh	79, 14.428, 240.787
Yxy	55.2126, 0.2767, 0.3066
Android (android.graphics.Color)	4289251803 (0xFFA8C9DB)
YUV	193.1850, 12.7268, -22.0872
Hunter-Lab	74.3052, -10.3506, -7.8700

Details

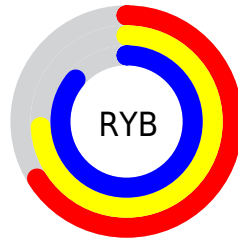
The XYZ color **49.8213, 55.2126, 75.0491** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **53.8409, 53.0053, 44.4404**, and the grayscale version is **50.7369, 53.3792, 58.1299**.

A 20% lighter version of the original color is **84.5505, 94.5873, 108.4086**, and **24.2048, 27.1926, 39.0949** is the 20% darker color. If you saturate the color by 10%, you get **43.7896, 49.4968, 74.2647**, and if you desaturate by 10%, it is **56.7322, 61.5190, 75.9030**.

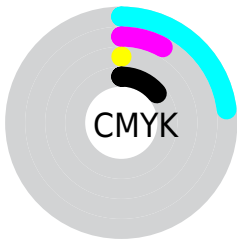
Distribution



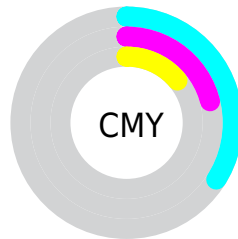
- Red (66%)
- Green (79%)
- Blue (86%)



- Red (66%)
- Yellow (74%)
- Blue (86%)



- Cyan (23%)
- Magenta (8%)
- Yellow (0%)
- Black (14%)



- Cyan (34%)
- Magenta (21%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.8213, 55.2126, 75.0491 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 49.8213, 55.2126, 75.0491 by changing the saturation by 10% instead.

■ 49.8213, 55.2126,
75.0491

■ 49.8213, 55.2126,
75.0491

376.4303,
406.7173, 497.3462

■ 35.4886, 39.5720,
55.1511

■ 89.1035, 97.8524,
128.1296

■ 24.2078, 27.2050,
39.1233

■ 114.7837,
125.6203, 162.1492

■ 15.6134, 17.7272,
26.5471

144.9771,
158.1995, 201.7131

■ 9.3401, 10.7543,
17.0040

180.0491,
195.9742, 247.2399

■ 5.0226, 5.9019,
10.0753

220.3651,
239.3290, 299.1481

■ 2.2954, 2.7855,
5.3427

266.2904,

■ 0.7923, 1.0208,

288.6482, 357.8561

2.3875

318.1903,
344.3161, 423.7827

■ 0.0000, 0.0000,
0.7796

■ 0.0000, 0.0000,
0.0000

■ 49.8213, 55.2126,
75.0491

■ 49.8213, 55.2126,
75.0491

■ 43.7896, 49.4968,
74.2647

■ 56.7322, 61.5190,
75.9030

■ 38.5914, 44.3420,
73.5436

■ 64.5551, 68.4306,
76.8248

■ 34.1845, 39.7256,
72.8849

■ 73.3273, 75.9700,
77.8177

■ 30.5203, 35.6208,
72.2857

■ 82.8599, 84.0417,
78.8732

■ 27.5447, 31.9974,
71.7431

■ 85.0825, 88.4868,
79.6141

■ 25.1955, 28.8212,
71.2539

■ 87.4019, 93.1257,
80.3873

■ 23.3974, 26.0514,
70.8140

■ 89.7864, 97.8945,
81.1821

■ 22.4172, 24.3762,
70.5423

Harmonies

Analogous

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



47.8629, 55.2126, 68.6056



49.8213, 55.2126, 75.0491



52.5540, 55.2126, 77.4105

Triad

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



49.8213, 55.2126, 75.0491



58.2121, 55.2126, 59.8997



49.6942, 55.2126, 47.4959

Complementary

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



49.8213, 55.2126, 75.0491



53.8409, 53.0053, 44.4404

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.



52.4019, 55.2126, 45.6126



49.8213, 55.2126, 75.0491



57.3805, 55.2126, 52.3594

Square

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



49.8213, 55.2126, 75.0491



57.4612, 55.2126, 68.1946



55.2273, 55.2126, 47.3100



47.7914, 55.2126, 52.7041

Rectangle

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



49.8213, 55.2126, 75.0491



54.4678, 55.2126, 76.1968



55.2273, 55.2126, 47.3100



50.5371, 55.2126, 46.4755

Sweetspot

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



49.8230, 55.2148, 75.0504



86.8084, 92.8169, 107.9479



50.3281, 62.5278, 55.7885



18.4351, 19.7385, 23.0882



0.0000, 0.0000, 0.0000



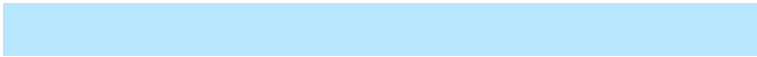
20.3446, 21.4041, 23.3091

Same Dimension

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



49.8230, 55.2148, 75.0504



65.9635, 73.8451, 105.3846



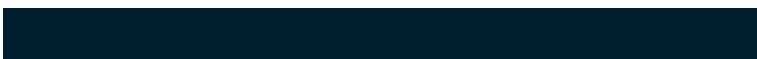
44.3926, 44.3542, 73.2403



13.0381, 14.0160, 16.6703



13.3987, 14.6668, 41.8632



0.9479, 1.1100, 2.7387

Inverse Universe

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



53.7600, 47.2838, 61.5540



72.5528, 61.0771, 82.6831



59.6637, 64.6509, 46.3813



13.4091, 13.1927, 15.4156



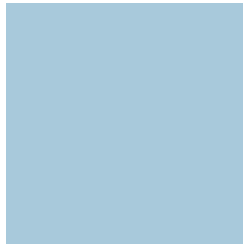
20.2584, 10.1044, 16.2725



1.3528, 0.6707, 1.2666

Previews

White Background



This preview shows how the XYZ color 49.8213, 55.2126, 75.0491 looks on a white background.

Color Contrast Check

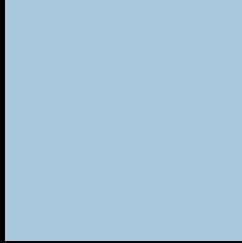
Large Text (above 18pt) WCAG AA × Fail

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 49.8213, 55.2126, 75.0491 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

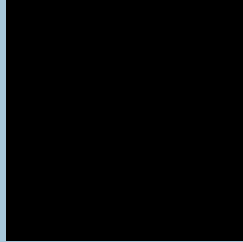
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.8213, 55.2126, 75.0491

Background



This preview shows how black text looks on a background with the XYZ color 49.8213, 55.2126, 75.0491.



This preview shows how white text looks on a background with the XYZ color 49.8213, 55.2126,

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

49.8213, 55.2126, 75.0491

Protanopia

53.5498, 54.8273, 72.0503

Deuteranopia

56.3105, 55.1786, 76.0893



Tritanopia

49.5595, 55.1079, 73.6705

Trichromacy



Original Color

49.8213, 55.2126, 75.0491

Protanomaly

52.1281, 55.0807, 72.8499

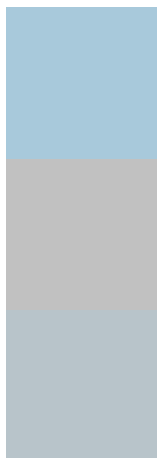
Deuteranomaly

53.6686, 55.1447, 75.5255

Tritanomaly

49.6900, 55.1601, 74.3577

Monochromacy



Original Color

49.8213, 55.2126, 75.0491

Achromatopsia

50.6879, 53.3276, 58.0738

Achromatomaly

50.1678, 53.9345, 63.6434

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.8213, 55.2126, 75.0491 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(168, 201, 219)` looks like.

```
.text, #text, p{  
    color:rgb(168, 201, 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(168, 201, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 201, 219) }
```

Border

The CSS property to change the border of an element to XYZ 49.8213, 55.2126, 75.0491 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(168, 201, 219) }
```


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

```
.border{ border-color:rgb(168, 201, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 201, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 201, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 201, 219);  
box-shadow:4px 4px 4px 4px rgb(168, 201,  
219) }
```

Background

The CSS property to change the background color of an element to XYZ 49.8213, 55.2126, 75.0491 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 201, 219) }
```

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

```
.background{ background-color: rgb(168,  
201, 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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