

Converting Colors

XYZ(49.1791, 56.0181, 71.3564)

Have a look what the booklet for
XYZ(49.1791, 56.0181, 71.3564)
contains.

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Color

**XYZ(49.1202, 55.9892,
71.1689)**

Conversions

Conversions Part 1

Format	Color
Hex	A5CCD5
RGB	165, 204, 213
RGB Percent	65%, 80%, 84%
CMY	0.3529, 0.2000, 0.1647
CMYK	0.23, 0.04, 0.00, 0.16
HSL	191°, 36%, 74%
HSV	191°, 23%, 84%
XYZ	49.1202, 55.9892, 71.1689
YIQ	193.3650, -26.1330, -5.4690

Conversions

Conversions Part 2

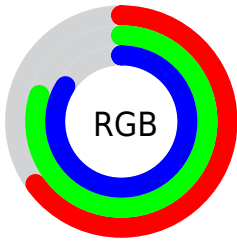
Format	Color
RYB	165, 187, 213
Decimal	10865877
CIELab	79.61, -10.86, -8.73
CIElCh	80, 13.930, 218.800
Yxy	55.9892, 0.2787, 0.3176
Android (android.graphics.Color)	4289055957 (0xFFA5CCD5)
YUV	193.3650, 9.6801, -24.8761
Hunter-Lab	74.8259, -13.7673, -4.0141

Details

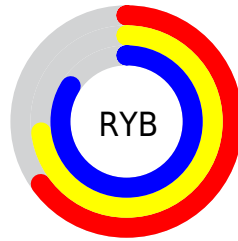
The XYZ color **49.1202, 55.9892, 71.1689** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **49.3688, 47.1351, 42.0945**, and the grayscale version is **50.8605, 53.5092, 58.2715**.

A 20% lighter version of the original color is **83.6288, 94.1122, 108.3655**, and **23.7600, 27.7261, 36.4471** is the 20% darker color. If you saturate the color by 10%, you get **44.1170, 52.0206, 70.6675**, and if you desaturate by 10%, it is **54.8888, 60.3914, 71.7155**.

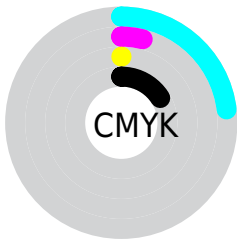
Distribution



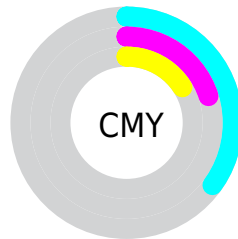
- Red (65%)
- Green (80%)
- Blue (84%)



- Red (65%)
- Yellow (73%)
- Blue (84%)



- Cyan (23%)
- Magenta (4%)
- Yellow (0%)
- Black (16%)





- Cyan (35%)
- Magenta (20%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.1202, 55.9892, 71.1689 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 49.1202, 55.9892, 71.1689 by changing the saturation by 10% instead.


 49.1202, 55.9892,
71.1689


 49.1202, 55.9892,
71.1689

373.7244,
409.6508, 483.5432

 34.9298, 40.1943,
51.9974


 88.0696, 98.9888,
122.5709

 23.7750, 27.6900,
36.6207


 113.5593,
126.9622, 155.6384

 15.2907, 18.0921,
24.6205


143.5461,
159.7640, 194.1750

 9.1113, 11.0162,
15.5781

178.3954,
197.7784, 238.5993

 4.8715, 6.0777,
9.0750

218.4725,
241.3899, 289.3297

 2.2061, 2.8924,
4.6927

264.1428,

 0.7459, 1.0758,

290.9828, 346.7848

2.0125

315.7717,
346.9417, 411.3831

■ 0.0000, 0.0000,
0.5630

■ 0.0000, 0.0000,
0.0000

■ 49.1202, 55.9892,
71.1689

■ 49.1202, 55.9892,
71.1689

■ 44.1170, 52.0206,
70.6675

■ 54.8888, 60.3914,
71.7155

■ 39.8377, 48.4595,
70.2057

■ 61.4522, 65.2383,
72.3051

■ 36.2441, 45.2875,
69.7828

■ 68.8439, 70.5488,
72.9406

■ 33.2924, 42.4818,
69.3968

■ 77.0942, 76.3389,
73.6233

■ 30.9336, 40.0168,
69.0454

■ 79.8973, 79.3580,
74.0583

■ 29.1116, 37.8632,
68.7257

■ 80.9829, 81.5290,
74.4202

■ 27.7587, 35.9859,
68.4347

■ 82.0937, 83.7508,
74.7904

■ 26.9683, 34.7200,
68.2320

■ 83.2302, 86.0237,
75.1693

■ 84.3923, 88.3479,
75.5566

Harmonies

Analogous

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



48.0593, 55.9892, 63.3579



49.1202, 55.9892, 71.1689



51.2883, 55.9892, 76.5370

Triad

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



49.1202, 55.9892, 71.1689



58.4076, 55.9892, 66.7241



52.3947, 55.9892, 46.9295

Complementary

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



49.1202, 55.9892, 71.1689



49.3688, 47.1351, 42.0945

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.



55.1915, 55.9892, 47.6589



49.1202, 55.9892, 71.1689



58.7291, 55.9892, 58.6287

Square

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



49.1202, 55.9892, 71.1689



56.6697, 55.9892, 73.8181



57.5335, 55.9892, 51.7822



49.9057, 55.9892, 49.6938

Rectangle

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



49.1202, 55.9892, 71.1689



53.1031, 55.9892, 77.7567



57.5335, 55.9892, 51.7822



53.3291, 55.9892, 46.7797

Sweetspot

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



49.1219, 55.9915, 71.1702



87.7270, 94.6541, 108.2541



46.9329, 58.6371, 48.7879



18.6482, 20.1647, 23.1593



0.0000, 0.0000, 0.0000



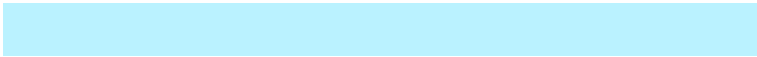
20.3446, 21.4041, 23.3091

Same Dimension

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



49.1219, 55.9915, 71.1702



70.1163, 81.2383, 106.5928



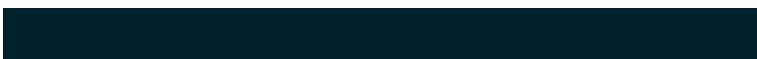
43.8901, 45.5280, 69.4263



12.5851, 13.6936, 15.9173



16.5436, 21.3490, 41.7020



1.0501, 1.3923, 2.5327

Inverse Universe

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



51.7962, 45.4174, 63.1658



74.8717, 62.8575, 92.2652



54.3816, 57.1607, 43.7654



12.8485, 12.5909, 15.1426



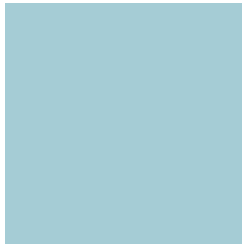
21.4093, 10.5000, 25.2573



1.3177, 0.6439, 1.6624

Previews

White Background



This preview shows how the XYZ color 49.1202, 55.9892, 71.1689 looks on a white background.

Color Contrast Check

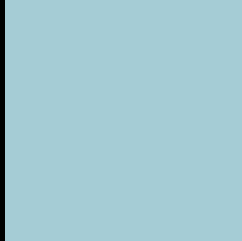
Large Text (above 18pt) WCAG AA × Fail

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 49.1202, 55.9892, 71.1689 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

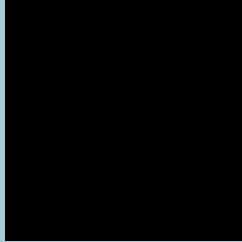
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.1202, 55.9892, 71.1689

Background



This preview shows how black text looks on a background with the XYZ color 49.1202, 55.9892, 71.1689.



This preview shows how white text looks on a background with the XYZ color 49.1202, 55.9892,

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

49.1202, 55.9892, 71.1689

Protanopia

54.1511, 55.9042, 67.6110

Deuteranopia

56.7576, 55.4849, 72.6839



Tritanopia

49.8680, 55.9333, 75.1857

Trichromacy



Original Color

49.1202, 55.9892, 71.1689

Protanomaly

52.0639, 55.8143, 69.0019

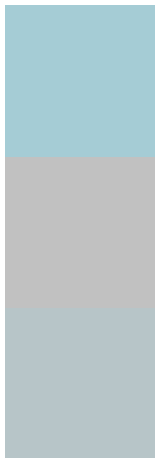
Deuteranomaly

53.7439, 55.5926, 72.1878

Tritanomaly

49.6062, 55.8286, 73.8071

Monochromacy



Original Color

49.1202, 55.9892, 71.1689

Achromatopsia

50.6879, 53.3276, 58.0738

Achromatomaly

49.9200, 54.1699, 62.4684

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.1202, 55.9892, 71.1689 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(165, 204, 213)` looks like.

```
.text, #text, p{  
    color:rgb(165, 204, 213)  
}
```

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(165, 204, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 204, 213) }
```

Border

The CSS property to change the border of an element to XYZ 49.1202, 55.9892, 71.1689 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(165, 204, 213) }
```


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

```
.border{ border-color:rgb(165, 204, 213) }
```

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

Here you see how a box with a 4 pixel rgb(165, 204, 213) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 204, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 204, 213);  
box-shadow:4px 4px 4px 4px rgb(165, 204,  
213) }
```

Background

The CSS property to change the background color of an element to XYZ 49.1202, 55.9892, 71.1689 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 204, 213) }
```

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

```
.background{ background-color: rgb(165,  
204, 213) }
```

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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