

Converting Colors

XYZ(49.5381, 55.2601, 71.8081)

Have a look what the booklet for
XYZ(49.5381, 55.2601, 71.8081)
contains.

XYZ(49.3864, 55.0633, 71.6437)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(49.3864, 55.0633,
71.6437)**

Conversions

Conversions Part 1

Format	Color
Hex	A9C9D6
RGB	169, 201, 214
RGB Percent	66%, 79%, 84%
CMY	0.3372, 0.2117, 0.1608
CMYK	0.21, 0.06, 0.00, 0.16
HSL	197°, 35%, 75%
HSV	197°, 21%, 84%
XYZ	49.3864, 55.0633, 71.6437
YIQ	192.9140, -23.2450, -2.7410

Conversions

Conversions Part 2

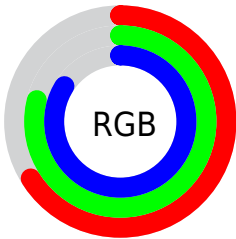
Format	Color
RYB	169, 188, 214
Decimal	11127254
CIELab	79.08, -7.85, -10.03
CIELCh	79, 12.734, 231.950
Yxy	55.0633, 0.2805, 0.3127
Android (android.graphics.Color)	4289317334 (0xFFA9C9D6)
YUV	192.9140, 10.3954, -20.9726
Hunter-Lab	74.2046, -11.0587, -5.3005

Details

The XYZ color **49.3864, 55.0633, 71.6437** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **51.6215, 50.6168, 44.5865**, and the grayscale version is **50.5900, 53.2246, 57.9616**.

A 20% lighter version of the original color is **84.8613, 94.7476, 108.4232**, and **23.8942, 27.0836, 36.7692** is the 20% darker color. If you saturate the color by 10%, you get **43.7541, 50.0649, 70.9767**, and if you desaturate by 10%, it is **55.8314, 60.5696, 72.3677**.

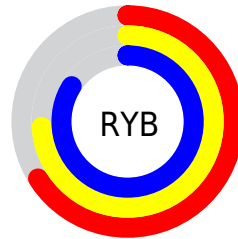
Distribution



Red (66%)

Green (79%)

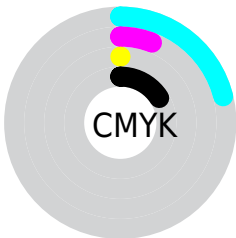
Blue (84%)



Red (66%)

Yellow (74%)

Blue (84%)

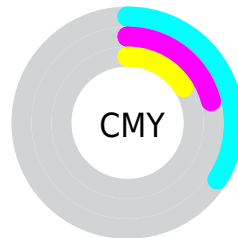


Cyan (21%)

Magenta (6%)

Yellow (0%)

Black (16%)



Cyan (34%)

Magenta (21%)

Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.3864, 55.0633, 71.6437 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 49.3864, 55.0633, 71.6437 by changing the saturation by 10% instead.

■ 49.3864, 55.0633,
71.6437

■ 49.3864, 55.0633,
71.6437

374.7533,
406.1518, 485.2447

■ 35.1419, 39.4524,
52.3826

■ 88.4623, 97.6337,
123.2528

■ 23.9392, 27.1119,
36.9258

114.0245,
125.3620, 156.4380

■ 15.4130, 17.6572,
24.8547

144.0899,
157.8982, 195.1015

■ 9.1980, 10.7042,
15.7508

179.0239,
195.6267, 239.6620

■ 4.9287, 5.8683,
9.1955

219.1919,
238.9319, 290.5381

■ 2.2398, 2.7652,
4.7704

264.9592,

■ 0.7636, 1.0104,

288.1983, 348.1482

2.0568

316.6912,
343.8101, 412.9109

■ 0.0000, 0.0000,
0.5899

■ 0.0000, 0.0000,
0.0000

■ 49.3864, 55.0633,
71.6437

■ 49.3864, 55.0633,
71.6437

■ 43.7541, 50.0649,
70.9767

■ 55.8314, 60.5696,
72.3677

■ 38.8924, 45.5474,
70.3609

■ 63.1188, 66.5958,
73.1468

■ 34.7627, 41.4913,
69.7957

■ 71.2828, 73.1620,
73.9839

■ 31.3208, 37.8728,
69.2787

■ 80.3544, 80.2851,
74.8807

■ 28.5177, 34.6656,
68.8074

■ 82.2090, 83.7775,
75.4571

■ 26.2971, 31.8397,
68.3789

■ 83.9788, 87.3171,
76.0470

■ 24.5922, 29.3594,
67.9900

■ 85.8104, 90.9803,
76.6575

■ 23.3969, 27.3733,
67.6697

■ 87.7043, 94.7683,
77.2888

■ 89.1378, 97.6351,
77.7667

Harmonies

Analogous

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



47.9403, 55.0633, 65.3304



49.3864, 55.0633, 71.6437



51.6558, 55.0633, 74.8799

Triad

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



49.3864, 55.0633, 71.6437



57.3166, 55.0633, 61.9324



50.5335, 55.0633, 47.9070

Complementary

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



49.3864, 55.0633, 71.6437



51.6215, 50.6168, 44.5865

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.



53.0221, 55.0633, 47.1573



49.3864, 55.0633, 71.6437



56.9925, 55.0633, 54.8821

Square

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



49.3864, 55.0633, 71.6437



56.2725, 55.0633, 68.9848



55.4008, 55.0633, 49.6115



48.5875, 55.0633, 51.7489

Rectangle

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



49.3864, 55.0633, 71.6437



53.3527, 55.0633, 74.6885



55.4008, 55.0633, 49.6115



51.3323, 55.0633, 47.2982

Sweetspot

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



49.3880, 55.0655, 71.6449



88.2498, 94.4255, 108.1824



48.8275, 59.8963, 53.1094



18.7367, 20.0848, 23.1392



0.0000, 0.0000, 0.0000



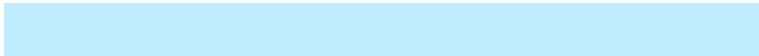
20.3446, 21.4041, 23.3091

Same Dimension

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



49.3880, 55.0655, 71.6449



69.7634, 78.6581, 106.1134



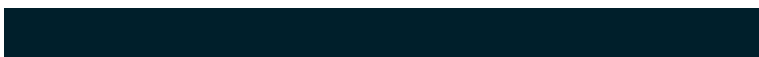
44.5709, 45.4313, 70.0392



12.4751, 13.4736, 15.8807



14.2350, 16.7317, 40.9324



0.9280, 1.1481, 2.4920

Inverse Universe

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



52.4634, 46.8904, 61.5464



75.1511, 64.7210, 88.3361



56.5463, 60.4664, 46.2281



12.7930, 12.5687, 14.8502



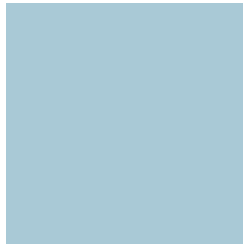
20.2440, 10.0339, 19.1209



1.2561, 0.6192, 1.3379

Previews

White Background



This preview shows how the XYZ color 49.3864, 55.0633, 71.6437 looks on a white background.

Color Contrast Check

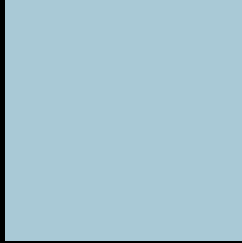
Large Text (above 18pt) WCAG AA × Fail

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 49.3864, 55.0633, 71.6437 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

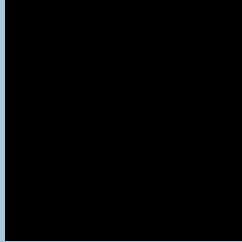
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.3864, 55.0633, 71.6437

Background



This preview shows how black text looks on a background with the XYZ color 49.3864, 55.0633, 71.6437.

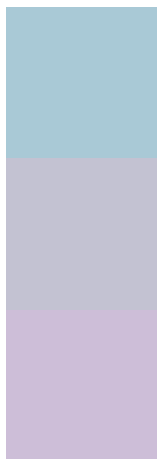


This preview shows how white text looks on a background with the XYZ color 49.3864, 55.0633,

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

49.3864, 55.0633, 71.6437

Protanopia

53.4303, 54.8388, 68.7416

Deuteranopia

55.9850, 54.7639, 72.5855



Tritanopia

49.9886, 55.3291, 73.6905

Trichromacy



Original Color

49.3864, 55.0633, 71.6437

Protanomaly

51.9738, 55.0748, 69.5192

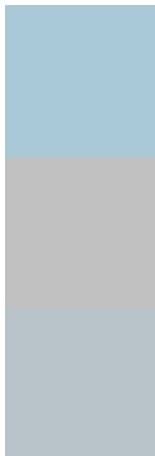
Deuteranomaly

53.2958, 54.6963, 72.0384

Tritanomaly

49.8589, 55.2772, 73.0075

Monochromacy



Original Color

49.3864, 55.0633, 71.6437

Achromatopsia

50.6879, 53.3276, 58.0738

Achromatomaly

50.0497, 53.8872, 63.0217

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.3864, 55.0633, 71.6437 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(169, 201, 214)` looks like.

```
.text, #text, p{  
    color:rgb(169, 201, 214)  
}
```

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(169, 201, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 201, 214) }
```

Border

The CSS property to change the border of an element to XYZ 49.3864, 55.0633, 71.6437 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(169, 201, 214) }
```


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

```
.border{ border-color:rgb(169, 201, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 201, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 201, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 201, 214);  
box-shadow:4px 4px 4px 4px rgb(169, 201,  
214) }
```

Background

The CSS property to change the background color of an element to XYZ 49.3864, 55.0633, 71.6437 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 201, 214) }
```

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

```
.background{ background-color: rgb(169,  
201, 214) }
```

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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