

Converting Colors

XYZ(49.7073, 55.1308, 78.8272)

Have a look what the booklet for
XYZ(49.7073, 55.1308, 78.8272)
contains.

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Color

**XYZ(49.6510, 55.0476,
78.5294)**

Conversions

Conversions Part 1

Format	Color
Hex	A4C9E0
RGB	164, 201, 224
RGB Percent	64%, 79%, 88%
CMY	0.3569, 0.2117, 0.1216
CMYK	0.27, 0.10, 0.00, 0.12
HSL	203°, 49%, 76%
HSV	203°, 27%, 88%
XYZ	49.6510, 55.0476, 78.5294
YIQ	192.5590, -29.4350, -0.6910

Conversions

Conversions Part 2

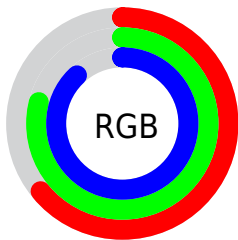
Format	Color
RYB	164, 187, 224
Decimal	10799584
CIELab	79.07, -7.09, -15.45
CIELCh	79, 16.997, 245.336
Yxy	55.0476, 0.2710, 0.3004
Android (android.graphics.Color)	4288989664 (0xFFA4C9E0)
YUV	192.5590, 15.5004, -25.0462
Hunter-Lab	74.1941, -10.3866, -10.8186

Details

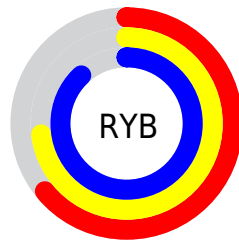
The XYZ color **49.6510, 55.0476, 78.5294** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **55.2123, 54.0686, 42.6495**, and the grayscale version is **50.3555, 52.9779, 57.6930**.

A 20% lighter version of the original color is **83.3252, 93.9556, 108.3513**, and **24.1507, 27.1115, 41.4963** is the 20% darker color. If you saturate the color by 10%, you get **43.4835, 48.9807, 77.6844**, and if you desaturate by 10%, it is **56.7479, 61.7624, 79.4524**.

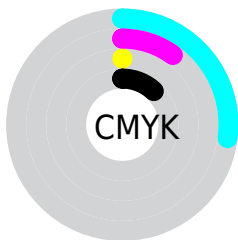
Distribution



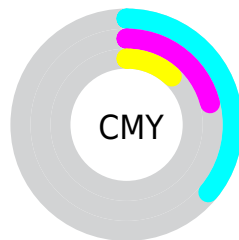
- Red (64%)
- Green (79%)
- Blue (88%)



- Red (64%)
- Yellow (73%)
- Blue (88%)



- Cyan (27%)
- Magenta (10%)
- Yellow (0%)
- Black (12%)



- Cyan (36%)
- Magenta (21%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.6510, 55.0476, 78.5294 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 49.6510, 55.0476, 78.5294 by changing the saturation by 10% instead.

■ 49.6510, 55.0476,
78.5294

■ 49.6510, 55.0476,
78.5294

375.7742,
406.0923, 509.5384

■ 35.3528, 39.4398,
57.9899

■ 88.8525, 97.6107,
133.0888

■ 24.1026, 27.1021,
41.3859

■ 114.4865,
125.3348, 167.9458

■ 15.5349, 17.6499,
28.2988

144.6299,
157.8665, 208.4124

■ 9.2844, 10.6989,
18.3100

179.6479,
195.5902, 254.9072

■ 4.9857, 5.8648,
11.0010

219.9060,
238.8902, 307.8486

■ 2.2736, 2.7630,
5.9534

265.7695,

■ 0.7811, 1.0093,

288.1509, 367.6552

2.7484

317.6038,
343.7569, 434.7456

■ 0.0000, 0.0000,
0.9677

■ 0.0000, 0.0000,
0.0000

■ 49.6510, 55.0476,
78.5294

■ 49.6510, 55.0476,
78.5294

■ 43.4835, 48.9807,
77.6844

■ 56.7479, 61.7624,
79.4524

■ 38.1959, 43.5294,
76.9108

■ 64.8105, 69.1425,
80.4519

■ 33.7414, 38.6683,
76.2073

■ 73.8793, 77.2126,
81.5316

■ 30.0664, 34.3668,
75.5708

■ 83.9907, 85.9939,
82.6937

■ 27.1105, 30.5911,
74.9977

■ 87.0254, 91.3033,
83.5585

■ 24.8035, 27.3017,
74.4844

■ 89.6685, 96.5895,
84.4396

■ 23.0554, 24.4493,
74.0260

■ 90.4547, 98.1619,
84.7016

■ 22.5636, 23.5996,
73.8879

Harmonies

Analogous

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



47.1876, 55.0476, 71.3815



49.6510, 55.0476, 78.5294



52.9289, 55.0476, 80.4854

Triad

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



49.6510, 55.0476, 78.5294



59.0749, 55.0476, 58.2201



48.6451, 55.0476, 45.9771

Complementary

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



49.6510, 55.0476, 78.5294



55.2123, 54.0686, 42.6495

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.



51.7179, 55.0476, 43.2232



49.6510, 55.0476, 78.5294



57.8140, 55.0476, 49.7870

Square

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



49.6510, 55.0476, 78.5294



58.4636, 55.0476, 68.0599



55.0852, 55.0476, 44.5392



46.6246, 55.0476, 52.4885

Rectangle

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



49.6510, 55.0476, 78.5294



55.1569, 55.0476, 78.4187



55.0852, 55.0476, 44.5392



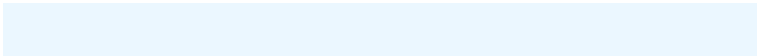
49.5842, 55.0476, 44.6151

Sweetspot

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



49.6527, 55.0498, 78.5307



85.4951, 91.4463, 107.7526



50.8296, 64.7501, 56.2746



17.9359, 19.2434, 23.0190



0.0000, 0.0000, 0.0000



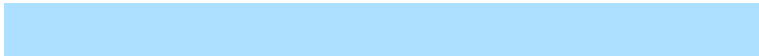
20.3446, 21.4041, 23.3091

Same Dimension

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



49.6527, 55.0498, 78.5307



61.9534, 69.3124, 104.7211



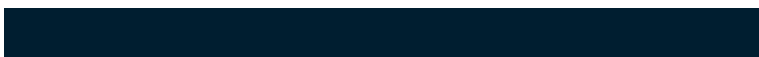
43.5181, 42.7807, 76.4858



13.6523, 14.6438, 17.4947



13.2479, 13.9653, 43.0457



1.0041, 1.1396, 3.0123

Inverse Universe

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



54.5599, 46.6166, 61.3831



69.6774, 56.6676, 77.5896



61.9982, 67.6404, 44.9115



14.0607, 13.8419, 16.0900



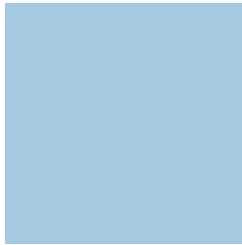
20.6271, 10.3179, 15.2341



1.4731, 0.7325, 1.2840

Previews

White Background



This preview shows how the XYZ color 49.6510, 55.0476, 78.5294 looks on a white background.

Color Contrast Check

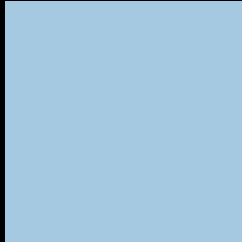
Large Text (above 18pt) WCAG AA × Fail

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 49.6510, 55.0476, 78.5294 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

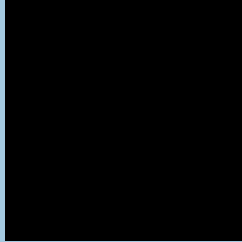
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

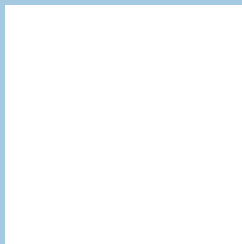
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 49.6510, 55.0476, 78.5294

Background



This preview shows how black text looks on a background with the XYZ color 49.6510, 55.0476, 78.5294.



This preview shows how white text looks on a background with the XYZ color 49.6510, 55.0476,

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

49.6510, 55.0476, 78.5294

Protanopia

53.8162, 54.9045, 74.7790

Deuteranopia

56.1777, 55.0320, 79.6129



Tritanopia

48.8797, 55.0895, 74.3868

Trichromacy



Original Color

49.6510, 55.0476, 78.5294

Protanomaly

52.3088, 55.0980, 76.2846

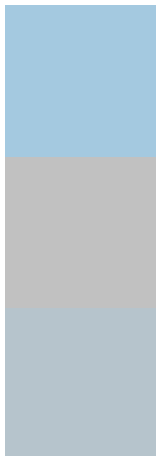
Deuteranomaly

53.5992, 55.0313, 79.0313

Tritanomaly

49.1431, 55.1949, 75.7737

Monochromacy



Original Color

49.6510, 55.0476, 78.5294

Achromatopsia

50.6879, 53.3276, 58.0738

Achromatomaly

49.9304, 53.7846, 64.8766

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.6510, 55.0476, 78.5294 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(164, 201, 224)` looks like.

```
.text, #text, p{  
    color:rgb(164, 201, 224)  
}
```

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(164, 201, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 201, 224) }
```

Border

The CSS property to change the border of an element to XYZ 49.6510, 55.0476, 78.5294 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(164, 201, 224) }
```


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

```
.border{ border-color:rgb(164, 201, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 201, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 201, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 201, 224);  
box-shadow:4px 4px 4px 4px rgb(164, 201,  
224) }
```

Background

The CSS property to change the background color of an element to XYZ 49.6510, 55.0476, 78.5294 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 201, 224) }
```

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

```
.background{ background-color: rgb(164,  
201, 224) }
```

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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