

Converting Colors

XYZ(51.4419, 54.9280, 78.4658)

Have a look what the booklet for
XYZ(51.4419, 54.9280, 78.4658)
contains.

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Color

**XYZ(51.5531, 55.0001,
78.4199)**

Conversions

Conversions Part 1

Format	Color
Hex	B0C6E0
RGB	176, 198, 224
RGB Percent	69%, 78%, 88%
CMY	0.3098, 0.2235, 0.1216
CMYK	0.21, 0.12, 0.00, 0.12
HSL	212°, 44%, 78%
HSV	212°, 21%, 88%
XYZ	51.5531, 55.0001, 78.4199
YIQ	194.3860, -21.4580, 3.4220

Conversions

Conversions Part 2

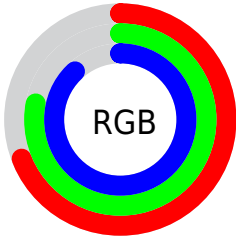
Format	Color
R _Y B	176, 191, 224
Decimal	11585248
CIE Lab	79.04, -1.90, -15.41
CIE LCh	79, 15.527, 262.982
Yxy	55.0001, 0.2787, 0.2973
Android (android.graphics.Color)	4289775328 (0xFFB0C6E0)
YUV	194.3860, 14.5997, -16.1245
Hunter-Lab	74.1621, -5.7009, -10.7806

Details

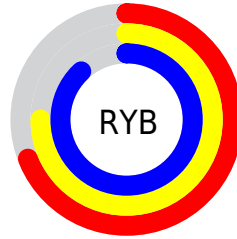
The XYZ color **51.5531, 55.0001, 78.4199** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **59.6979, 61.2229, 49.7463**, and the grayscale version is **51.4334, 54.1120, 58.9279**.

A 20% lighter version of the original color is **87.0887, 95.8958, 108.5274**, and **25.3031, 27.0220, 41.4183** is the 20% darker color. If you saturate the color by 10%, you get **44.2375, 47.2768, 77.3156**, and if you desaturate by 10%, it is **59.9300, 63.6030, 79.6398**.

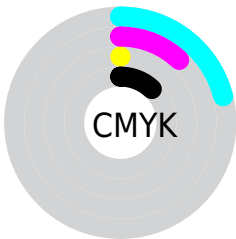
Distribution



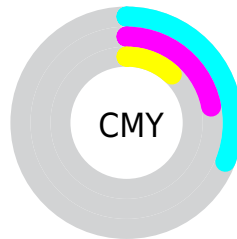
- Red (69%)
- Green (78%)
- Blue (88%)



- Red (69%)
- Yellow (75%)
- Blue (88%)



- Cyan (21%)
- Magenta (12%)
- Yellow (0%)
- Black (12%)



- Cyan (31%)
- Magenta (22%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 51.5531, 55.0001, 78.4199 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 51.5531, 55.0001, 78.4199 by changing the saturation by 10% instead.

■ 51.5531, 55.0001,
78.4199

■ 51.5531, 55.0001,
78.4199

383.0612,
405.9123, 509.1573

■ 36.8718, 39.4018,
57.9005

■ 91.6500, 97.5411,
132.9331

■ 25.2815, 27.0724,
41.3145

117.7962,
125.2526, 167.7640

■ 16.4167, 17.6276,
28.2433

148.4949,
157.7706, 208.2025

■ 9.9122, 10.6830,
18.2685

184.1113,
195.4795, 254.6671

■ 5.4026, 5.8541,
10.9715

225.0108,
238.7638, 307.5763

■ 2.5225, 2.7566,
5.9338

271.5587,

■ 0.9066, 1.0060,

288.0077, 367.3487

2.7367

324.1204,
343.5958, 434.4029

■ 0.0000, 0.0000,
0.9618

■ 0.0000, 0.0000,
0.0000

■ 51.5531, 55.0001,
78.4199

■ 51.5531, 55.0001,
78.4199

■ 44.2375, 47.2768,
77.3156

■ 59.9300, 63.6030,
79.6398

■ 37.9319, 40.3949,
76.3196

■ 69.4062, 73.1085,
80.9751

■ 32.5883, 34.3231,
75.4293

■ 80.0240, 83.5469,
82.4303

■ 28.1523, 29.0249,
74.6404

■ 87.8130, 92.8784,
83.8209

■ 24.5636, 24.4608,
73.9486

■ 90.4547, 98.1619,
84.7015

■ 21.7536, 20.5863,
73.3489

■ 19.6411, 17.3500,
72.8356

■ 18.2730, 15.0185,
72.4576

Harmonies

Analogous

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



48.7784, 55.0001, 74.5320



51.5531, 55.0001, 78.4199



54.6312, 55.0001, 76.9644

Triad

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



51.5531, 55.0001, 78.4199



57.9412, 55.0001, 53.4821



47.6722, 55.0001, 50.2104

Complementary

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



51.5531, 55.0001, 78.4199



59.6979, 61.2229, 49.7463

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.



49.9893, 55.0001, 45.5413



51.5531, 55.0001, 78.4199



55.9368, 55.0001, 47.2961

Square

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



51.5531, 55.0001, 78.4199



58.4000, 55.0001, 61.9897



53.0055, 55.0001, 44.5294



46.5957, 55.0001, 57.8300

Rectangle

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



51.5531, 55.0001, 78.4199



56.4340, 55.0001, 73.2223



53.0055, 55.0001, 44.5294



48.3273, 55.0001, 48.2757

Sweetspot

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



51.5548, 55.0023, 78.4211



87.0565, 92.0391, 107.7847



55.1746, 66.7878, 65.6135



18.4546, 19.5205, 23.0451



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.



51.5548, 55.0023, 78.4211



64.3171, 68.7109, 104.4804



47.2495, 45.8515, 76.8818



13.4671, 14.2733, 17.4329



10.7482, 8.9659, 42.2125



0.8338, 0.7990, 2.9555

Inverse Universe

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



56.4602, 50.9765, 60.2923



72.1713, 62.6455, 75.3684



64.7399, 72.0397, 51.5684



13.9672, 13.8045, 15.5976



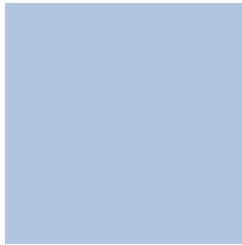
19.3654, 9.8132, 8.5899



1.3871, 0.6981, 0.8313

Previews

White Background



This preview shows how the XYZ color 51.5531, 55.0001, 78.4199 looks on a white background.

Color Contrast Check

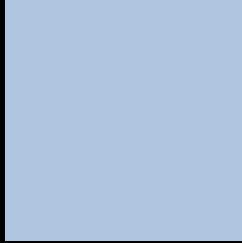
Large Text (above 18pt) WCAG AA × Fail

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 51.5531, 55.0001, 78.4199 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

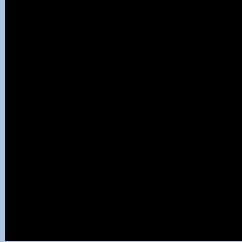
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

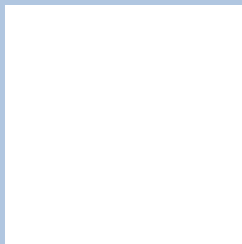
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 51.5531, 55.0001, 78.4199

Background



This preview shows how black text looks on a background with the XYZ color 51.5531, 55.0001, 78.4199.



This preview shows how white text looks on a background with the XYZ color 51.5531, 55.0001,

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

51.5531, 55.0001, 78.4199

Protanopia

53.8288, 54.8804, 76.1625

Deuteranopia

56.1777, 55.0320, 79.6129



Tritanopia

50.1447, 54.7518, 72.2152

Trichromacy



Original Color

51.5531, 55.0001, 78.4199

Protanomaly

52.9496, 54.7432, 76.8830

Deuteranomaly

54.3683, 55.0962, 79.0033

Tritanomaly

50.7575, 55.0228, 74.2749

Monochromacy



Original Color

51.5531, 55.0001, 78.4199

Achromatopsia

51.2775, 53.9479, 58.7493

Achromatomaly

51.0281, 54.0028, 65.4917

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.5531, 55.0001, 78.4199 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(176, 198, 224)` looks like.

```
.text, #text, p{  
    color:rgb(176, 198, 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(176, 198, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 198, 224) }
```

Border

The CSS property to change the border of an element to XYZ 51.5531, 55.0001, 78.4199 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(176, 198, 224) }
```


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

```
.border{ border-color:rgb(176, 198, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 198, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 198, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 198, 224);  
box-shadow:4px 4px 4px 4px rgb(176, 198,  
224) }
```

Background

The CSS property to change the background color of an element to XYZ 51.5531, 55.0001, 78.4199 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 198, 224) }
```

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

```
.background{ background-color: rgb(176,  
198, 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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