

Converting Colors

XYZ(51.7448, 57.1351, 79.5366)

Have a look what the booklet for
XYZ(51.7448, 57.1351, 79.5366)
contains.

XYZ(51.7610, 57.1680, 79.5406)	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(51.7610, 57.1680,
79.5406)**

Conversions

Conversions Part 1

Format	Color
Hex	AACCE1
RGB	170, 204, 225
RGB Percent	67%, 80%, 88%
CMY	0.3333, 0.2000, 0.1176
CMYK	0.24, 0.09, 0.00, 0.12
HSL	203°, 48%, 77%
HSV	203°, 24%, 88%
XYZ	51.7610, 57.1680, 79.5406
YIQ	196.2280, -27.0050, -0.6770

Conversions

Conversions Part 2

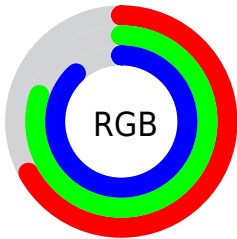
Format	Color
RYB	170, 191, 225
Decimal	11193569
CIELab	80.27, -6.66, -14.13
CIELCh	80, 15.627, 244.762
Yxy	57.1680, 0.2746, 0.3033
Android (android.graphics.Color)	4289383649 (0xFFAACCE1)
YUV	196.2280, 14.1846, -23.0020
Hunter-Lab	75.6095, -10.1186, -9.4459

Details

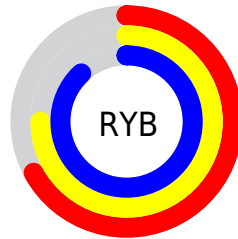
The XYZ color **51.7610, 57.1680, 79.5406** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **56.9384, 56.1717, 45.8727**, and the grayscale version is **52.5366, 55.2726, 60.1919**.

A 20% lighter version of the original color is **85.1740, 94.9088, 108.4378**, and **25.4982, 28.4969, 42.1868** is the 20% darker color. If you saturate the color by 10%, you get **45.3217, 50.9019, 78.6715**, and if you desaturate by 10%, it is **59.1488, 64.0931, 80.4888**.

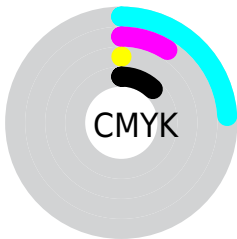
Distribution



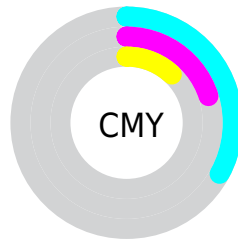
- Red (67%)
- Green (80%)
- Blue (88%)



- Red (67%)
- Yellow (75%)
- Blue (88%)



- Cyan (24%)
- Magenta (9%)
- Yellow (0%)
- Black (12%)



- Cyan (33%)
- Magenta (20%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 51.7610, 57.1680, 79.5406 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 51.7610, 57.1680, 79.5406 by changing the saturation by 10% instead.

■ 51.7610, 57.1680,
79.5406

■ 51.7610, 57.1680,
79.5406

383.8524,
414.0785, 513.0492

■ 37.0381, 41.1401,
58.8164

■ 91.9550, 100.7103,
134.5252

■ 25.4108, 28.4286,
42.0463

118.1568,
128.9935, 169.6227

■ 16.5137, 18.6490,
28.8117

148.9156,
162.1306, 210.3485

■ 9.9816, 11.4169,
18.6941

184.5968,
200.5060, 257.1210

■ 5.4489, 6.3480,
11.2749

225.5657,
244.5041, 310.3587

■ 2.5504, 3.0578,
6.1355

272.1877,

■ 0.9208, 1.1620,

294.5093, 370.4803

2.8576

324.8281,
350.9060, 437.9043

■ 0.0000, 0.0303,
1.0224

■ 0.0000, 0.0000,
0.0000

■ 51.7610, 57.1680,
79.5406

■ 51.7610, 57.1680,
79.5406

■ 45.3217, 50.9019,
78.6715

■ 59.1488, 64.0931,
80.4888

■ 39.7816, 45.2625,
77.8749

■ 67.5210, 71.6940,
81.5147

■ 35.0944, 40.2245,
77.1496

■ 76.9180, 79.9955,
82.6218

■ 31.2073, 35.7580,
76.4923

■ 85.5115, 88.0577,
83.7250

■ 28.0612, 31.8296,
75.8999

■ 88.0776, 93.1898,
84.5804

■ 25.5877, 28.4010,
75.3684

■ 90.5908, 98.2163,
85.4181

■ 23.7037, 25.4265,
74.8936

■ 22.8380, 23.9308,
74.6505

Harmonies

Analogous

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



49.4480, 57.1680, 72.8174



51.7610, 57.1680, 79.5406



54.8477, 57.1680, 81.4604

Triad

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



51.7610, 57.1680, 79.5406



60.6861, 57.1680, 60.7981



50.9111, 57.1680, 48.8921

Complementary

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



51.7610, 57.1680, 79.5406



56.9384, 56.1717, 45.8727

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.



53.8285, 57.1680, 46.3192



51.7610, 57.1680, 79.5406



59.5369, 57.1680, 52.7511

Square

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



51.7610, 57.1680, 79.5406



60.0802, 57.1680, 70.0468



56.9960, 57.1680, 47.6601



48.9710, 57.1680, 55.0474

Rectangle

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



51.7610, 57.1680, 79.5406



56.9483, 57.1680, 79.6133



56.9960, 57.1680, 47.6601



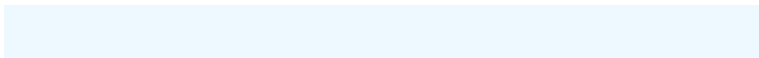
51.8057, 57.1680, 47.6085

Sweetspot

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



51.7627, 57.1703, 79.5419



86.6496, 92.4992, 107.8949



52.8164, 66.1226, 58.7912



18.3983, 19.6648, 23.0759



0.0000, 0.0000, 0.0000



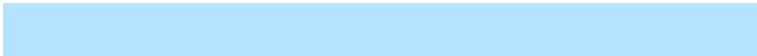
20.3446, 21.4041, 23.3091

Same Dimension

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



51.7627, 57.1703, 79.5419



64.5233, 71.8609, 105.0775



45.9574, 45.5597, 77.6068



13.6541, 14.6474, 17.4953



13.2763, 14.0222, 43.0552



1.0059, 1.1433, 3.0129

Inverse Universe

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



56.3265, 49.1180, 63.6413



71.6071, 59.8613, 80.2853



63.2931, 68.8810, 47.9909



14.0616, 13.8423, 16.0948



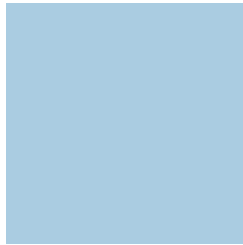
20.6415, 10.3236, 15.3097



1.4740, 0.7329, 1.2889

Previews

White Background



This preview shows how the XYZ color 51.7610, 57.1680, 79.5406 looks on a white background.

Color Contrast Check

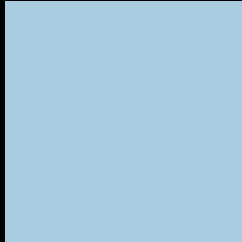
Large Text (above 18pt) WCAG AA × Fail

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 51.7610, 57.1680, 79.5406 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

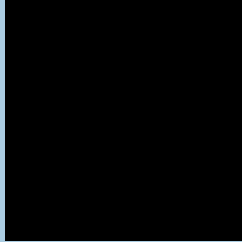
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 51.7610, 57.1680, 79.5406

Background



This preview shows how black text looks on a background with the XYZ color 51.7610, 57.1680, 79.5406.



This preview shows how white text looks on a background with the XYZ color 51.7610, 57.1680,

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

51.7610, 57.1680, 79.5406

Protanopia

55.7823, 56.8887, 76.4472

Deuteranopia

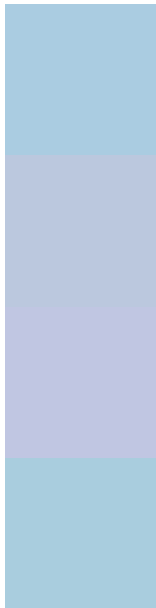
58.3338, 57.1088, 80.6216



Tritanopia

51.2447, 57.3181, 76.7692

Trichromacy



Original Color

51.7610, 57.1680, 79.5406

Protanomaly

54.3326, 57.1473, 77.2741

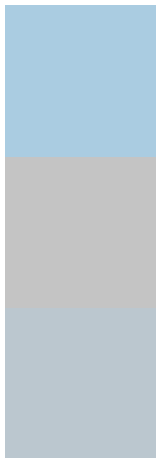
Deuteranomaly

55.6598, 57.0856, 80.0365

Tritanomaly

51.3783, 57.3716, 77.4731

Monochromacy



Original Color

51.7610, 57.1680, 79.5406

Achromatopsia

52.4687, 55.2011, 60.1140

Achromatomaly

52.1794, 55.9166, 67.0743

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.7610, 57.1680, 79.5406 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(170, 204, 225)` looks like.

```
.text, #text, p{  
    color:rgb(170, 204, 225)  
}
```

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(170, 204, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 204, 225) }
```

Border

The CSS property to change the border of an element to XYZ 51.7610, 57.1680, 79.5406 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(170, 204, 225) }
```


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

```
.border{ border-color:rgb(170, 204, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 204, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 204, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 204, 225);  
box-shadow:4px 4px 4px 4px rgb(170, 204,  
225) }
```

Background

The CSS property to change the background color of an element to XYZ 51.7610, 57.1680, 79.5406 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 204, 225) }
```

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

```
.background{ background-color: rgb(170,  
204, 225) }
```

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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