

Converting Colors

XYZ(51.1633, 58.4711, 80.2926)

Have a look what the booklet for
XYZ(51.1633, 58.4711, 80.2926)
contains.

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Color

**XYZ(51.2259, 58.6690,
80.5759)**

Conversions

Conversions Part 1

Format	Color
Hex	A1D1E2
RGB	161, 209, 226
RGB Percent	63%, 82%, 89%
CMY	0.3686, 0.1804, 0.1137
CMYK	0.29, 0.08, 0.00, 0.11
HSL	196°, 53%, 76%
HSV	196°, 29%, 89%
XYZ	51.2259, 58.6690, 80.5759
YIQ	196.5860, -34.0650, -4.8890

Conversions

Conversions Part 2

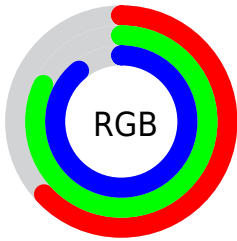
Format	Color
RYB	161, 189, 226
Decimal	10605026
CIELab	81.11, -11.68, -13.47
CIELCh	81, 17.828, 229.089
Yxy	58.6690, 0.2689, 0.3080
Android (android.graphics.Color)	4288795106 (0xFFA1D1E2)
YUV	196.5860, 14.5011, -31.2089
Hunter-Lab	76.5957, -14.6647, -8.7540

Details

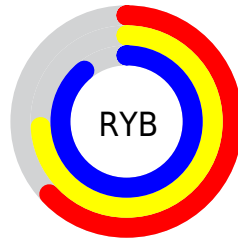
The XYZ color **51.2259, 58.6690, 80.5759** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **53.7183, 50.5833, 40.6519**, and the grayscale version is **52.7530, 55.5003, 60.4398**.

A 20% lighter version of the original color is **82.4253, 93.4917, 108.3092**, and **25.1354, 29.5088, 42.8991** is the 20% darker color. If you saturate the color by 10%, you get **45.6538, 53.6850, 79.9086**, and if you desaturate by 10%, it is **57.6785, 64.1896, 81.3024**.

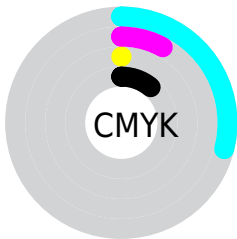
Distribution



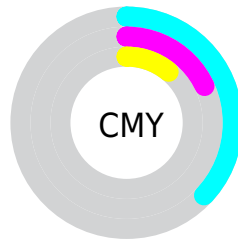
- Red (63%)
- Green (82%)
- Blue (89%)



- Red (63%)
- Yellow (74%)
- Blue (89%)



- Cyan (29%)
- Magenta (8%)
- Yellow (0%)
- Black (11%)





- Cyan (37%)
- Magenta (18%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.2259, 58.6690, 80.5759 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 51.2259, 58.6690, 80.5759 by changing the saturation by 10% instead.


 51.2259, 58.6690,
80.5759


 51.2259, 58.6690,
80.5759


381.8140,
419.6742, 516.6294

 36.6102, 42.3467,
59.6634


 91.1696, 102.8964,
135.9938

 25.0781, 29.3729,
42.7239


 117.2283,
131.5704, 171.3363

 16.2643, 19.3631,
29.3387


147.8321,
165.1304, 212.3260

 9.8034, 11.9329,
19.0894

183.3462,
203.9607, 259.3812

 5.3301, 6.6980,
11.5575

224.1362,
248.4459, 312.9206

 2.4789, 3.2740,
6.3242

270.5672,

 0.8846, 1.2764,

298.9703, 373.3628

2.9713

323.0047,
355.9182, 441.1262

■ 0.0000, 0.1228,
1.0800

■ 0.0000, 0.0000,
0.0000

■ 51.2259, 58.6690,
80.5759

■ 51.2259, 58.6690,
80.5759

■ 45.6538, 53.6850,
79.9086

■ 57.6785, 64.1896,
81.3024

■ 40.9120, 49.2066,
79.2941

■ 65.0478, 70.2621,
82.0861

■ 36.9530, 45.2100,
78.7313

■ 73.3745, 76.9096,
82.9303

■ 33.7223, 41.6660,
78.2175

■ 82.6952, 84.1519,
83.8370

■ 31.1579, 38.5419,
77.7497

■ 85.7038, 88.2234,
84.4643

■ 29.1866, 35.7990,
77.3241

■ 87.4583, 91.7322,
85.0491

■ 27.6978, 33.3793,
76.9356

■ 89.2697, 95.3552,
85.6529

■ 27.5282, 33.0922,
76.8891

■ 90.7277, 98.2711,
86.1389

Harmonies

Analogous

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



49.2972, 58.6690, 70.7890



51.2259, 58.6690, 80.5759



54.4253, 58.6690, 86.0854

Triad

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



51.2259, 58.6690, 80.5759



63.0561, 58.6690, 67.8216



53.4653, 58.6690, 46.4721

Complementary

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



51.2259, 58.6690, 80.5759



53.7183, 50.5833, 40.6519

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.



57.1227, 58.6690, 45.8656



51.2259, 58.6690, 80.5759



62.7711, 58.6690, 57.4369

Square

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



51.2259, 58.6690, 80.5759



61.3229, 58.6690, 78.1976



60.5607, 58.6690, 49.6671



50.5500, 58.6690, 51.4272

Rectangle

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



51.2259, 58.6690, 80.5759



56.8962, 58.6690, 86.2230



60.5607, 58.6690, 49.6671



54.6452, 58.6690, 45.7753

Sweetspot

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



51.2277, 58.6713, 80.5772



85.2201, 92.1346, 107.8999



49.8563, 65.1553, 51.6757



17.9214, 19.4610, 23.0617



0.0000, 0.0000, 0.0000



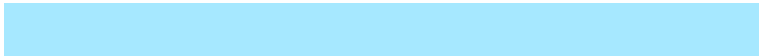
20.3446, 21.4041, 23.3091

Same Dimension

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



51.2277, 58.6713, 80.5772



62.4847, 72.8223, 105.3706



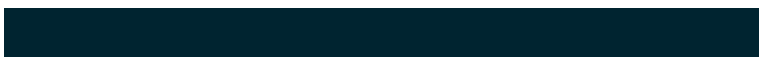
44.1983, 44.6126, 78.2341



13.7974, 14.9340, 17.5430



15.8059, 19.0814, 43.8984



1.1671, 1.4656, 3.0666

Inverse Universe

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



55.6190, 46.2634, 66.3225



69.3481, 54.2486, 82.9074



60.7831, 64.7130, 43.0069



14.1340, 13.8712, 16.4756



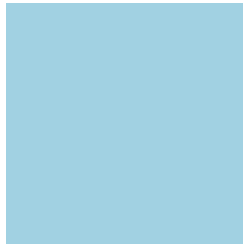
21.9183, 10.8343, 22.0333



1.5553, 0.7654, 1.7173

Previews

White Background



This preview shows how the XYZ color 51.2259, 58.6690, 80.5759 looks on a white background.

Color Contrast Check

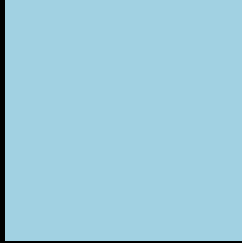
Large Text (above 18pt) WCAG AA × Fail

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 51.2259, 58.6690, 80.5759 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

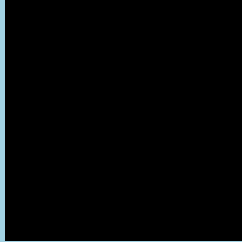
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 51.2259, 58.6690, 80.5759

Background



This preview shows how black text looks on a background with the XYZ color 51.2259, 58.6690, 80.5759.



This preview shows how white text looks on a background with the XYZ color 51.2259, 58.6690,

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

51.2259, 58.6690, 80.5759

Protanopia

56.8949, 58.1563, 75.9367

Deuteranopia

59.6149, 58.4024, 82.2595



Tritanopia

51.2259, 58.6690, 80.5759

Trichromacy



Original Color

51.2259, 58.6690, 80.5759

Protanomaly

54.5483, 58.3001, 77.4853

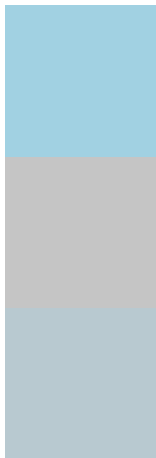
Deuteranomaly

56.1254, 58.3219, 81.6979

Tritanomaly

51.2259, 58.6690, 80.5759

Monochromacy



Original Color

51.2259, 58.6690, 80.5759

Achromatopsia

53.0703, 55.8340, 60.8033

Achromatomaly

52.0390, 56.5177, 67.8408

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.2259, 58.6690, 80.5759 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(161, 209, 226)` looks like.

```
.text, #text, p{  
    color:rgb(161, 209, 226)  
}
```

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(161, 209, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 209, 226) }
```

Border

The CSS property to change the border of an element to XYZ 51.2259, 58.6690, 80.5759 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(161, 209, 226) }
```


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

```
.border{ border-color:rgb(161, 209, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 209, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 209, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 209, 226);  
box-shadow:4px 4px 4px 4px rgb(161, 209,  
226) }
```

Background

The CSS property to change the background color of an element to XYZ 51.2259, 58.6690, 80.5759 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 209, 226) }
```

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

```
.background{ background-color: rgb(161,  
209, 226) }
```

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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