

Converting Colors

XYZ(58.2330, 68.9954, 78.5675)

Have a look what the booklet for
XYZ(58.2330, 68.9954, 78.5675)
contains.

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Color

**XYZ(58.1520, 68.8433,
78.6298)**

Conversions

Conversions Part 1

Format	Color
Hex	B0E2DD
RGB	176, 226, 221
RGB Percent	69%, 89%, 87%
CMY	0.3098, 0.1137, 0.1333
CMYK	0.22, 0.00, 0.02, 0.11
HSL	174°, 46%, 79%
HSV	174°, 22%, 89%
XYZ	58.1520, 68.8433, 78.6298
YIQ	210.4800, -28.1950, -12.1550

Conversions

Conversions Part 2

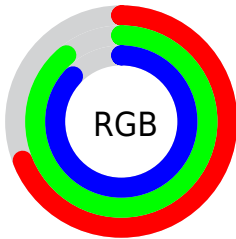
Format	Color
R _Y B	176, 202, 226
Decimal	11592413
CIE Lab	86.43, -17.02, -2.84
CIE LCh	86, 17.259, 189.461
Yxy	68.8433, 0.2828, 0.3348
Android (android.graphics.Color)	4289782493 (0xFFB0E2DD)
YUV	210.4800, 5.1864, -30.2390
Hunter-Lab	82.9719, -20.0965, 1.8931

Details

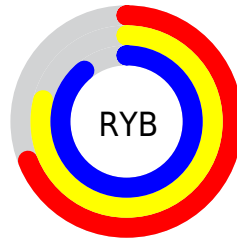
The XYZ color **58.1520, 68.8433, 78.6298** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **55.2323, 50.5575, 50.5664**, and the grayscale version is **61.5559, 64.7616, 70.5254**.

A 20% lighter version of the original color is **87.0887, 95.8958, 108.5274**, and **29.4719, 36.0166, 41.4750** is the 20% darker color. If you saturate the color by 10%, you get **53.1625, 66.3075, 76.8354**, and if you desaturate by 10%, it is **64.0003, 71.8250, 80.4885**.

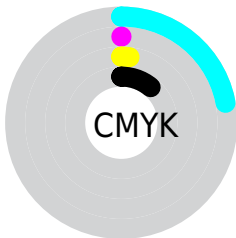
Distribution



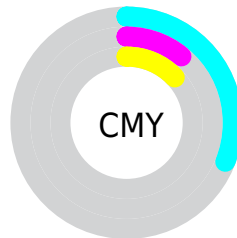
- Red (69%)
- Green (89%)
- Blue (87%)



- Red (69%)
- Yellow (79%)
- Blue (89%)



- Cyan (22%)
- Magenta (0%)
- Yellow (2%)
- Black (11%)



- Cyan (31%)
- Magenta (11%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 58.1520, 68.8433, 78.6298 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 58.1520, 68.8433, 78.6298 by changing the saturation by 10% instead.

■ 58.1520, 68.8433,
78.6298

■ 58.1520, 68.8433,
78.6298

407.6968,
456.4781, 509.8876

■ 42.1746, 50.5841,
58.0720

■ 101.2659,
117.5577, 133.2315

■ 29.4297, 35.8777,
41.4514

129.1330,
148.7818, 168.1124

■ 19.5521, 24.3398,
28.3496

161.6942,
185.0962, 208.6049

■ 12.1762, 15.5859,
18.3480

199.3146,
226.8854, 255.1272

■ 6.9369, 9.2316,
11.0281

242.3598,
274.5338, 308.0982

■ 3.4686, 4.8925,
5.9714

291.1950,

■ 1.4062, 2.1843,

328.4258, 367.9362

2.7592

346.1855,
388.9458, 435.0598

■ 0.2606, 0.7114,
0.9730

■ 0.0000, 0.0000,
0.0000

■ 58.1520, 68.8433,
78.6298

■ 58.1520, 68.8433,
78.6298

■ 53.1625, 66.3075,
76.8354

■ 64.0003, 71.8250,
80.4885

■ 48.9837, 64.1873,
75.0987

■ 70.7406, 75.2642,
82.4087

■ 45.5719, 62.4621,
73.4188

■ 78.4116, 79.1827,
84.3938

■ 42.8769, 61.1060,
71.7934

■ 82.7271, 81.3710,
86.2433

40.8424, 60.0899,
70.2198

83.0469, 81.4989,
87.9273

39.4039, 59.3806,
68.6949

83.3708, 81.6285,
89.6331

38.4836, 58.9380,
67.2149

83.6989, 81.7597,
91.3608

38.0239, 58.7257,
66.0762

84.0312, 81.8926,
93.1104

84.3676, 82.0272,
94.8820

Harmonies

Analogous

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



58.5071, 68.8433, 67.5094



58.1520, 68.8433, 78.6298



59.6858, 68.8433, 89.8125

Triad

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



58.1520, 68.8433, 78.6298



70.4330, 68.8433, 93.2392



68.1629, 68.8433, 56.2039

Complementary

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



58.1520, 68.8433, 78.6298



55.2323, 50.5575, 50.5664

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.



71.5389, 68.8433, 61.8401



58.1520, 68.8433, 78.6298



72.8860, 68.8433, 82.9367

Square

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



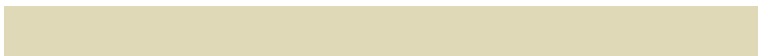
58.1520, 68.8433, 78.6298



66.7031, 68.8433, 98.7946



73.2988, 68.8433, 71.4036



64.1801, 68.8433, 55.3025

Rectangle

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



58.1520, 68.8433, 78.6298



61.6111, 68.8433, 95.5260



73.2988, 68.8433, 71.4036



69.4108, 68.8433, 57.5781

Sweetspot

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



58.1540, 68.8461, 78.6314



88.4989, 96.6559, 107.0994



54.2870, 67.4550, 51.2344



18.8275, 20.6297, 22.8909



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.



58.1540, 68.8461, 78.6314



73.0067, 88.7621, 102.1824



53.9065, 59.2683, 80.5536



14.0544, 15.5475, 17.3215



21.7169, 33.5116, 37.8277



1.5226, 2.3298, 2.7133

Inverse Universe

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



55.2323, 50.5575, 50.5664



68.4605, 60.2930, 58.5042



58.7554, 58.4105, 49.2531



13.7627, 13.7227, 14.5204



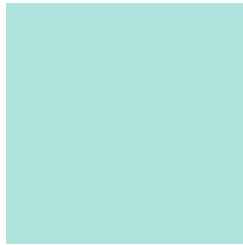
17.9992, 9.2667, 1.3954



1.2668, 0.6500, 0.1979

Previews

White Background



This preview shows how the XYZ color 58.1520, 68.8433, 78.6298 looks on a white background.

Color Contrast Check

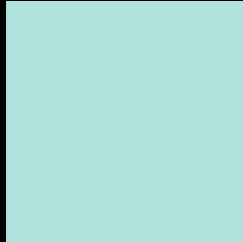
Large Text (above 18pt) WCAG AA × Fail

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 58.1520, 68.8433, 78.6298 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

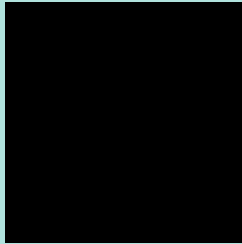
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

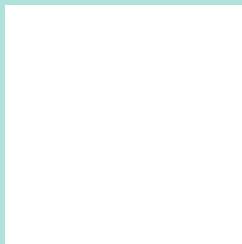
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 58.1520, 68.8433, 78.6298

Background



This preview shows how black text looks on a background with the XYZ color 58.1520, 68.8433, 78.6298.

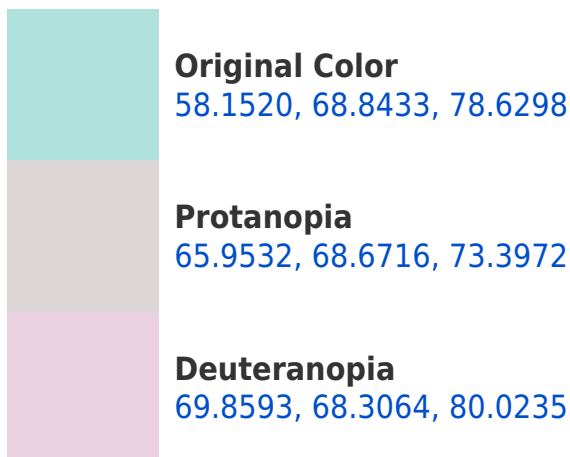


This preview shows how white text looks on a background with the XYZ color 58.1520, 68.8433,

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





Tritanopia

61.0873, 68.8295, 93.2849

Trichromacy



Original Color

58.1520, 68.8433, 78.6298

Protanomaly

62.7577, 68.5102, 75.5617

Deuteranomaly

64.7711, 67.9256, 79.5092

Tritanomaly

60.0973, 68.8355, 87.9610

Monochromacy



Original Color

58.1520, 68.8433, 78.6298

Achromatopsia

61.2578, 64.4480, 70.1838

Achromatomaly

59.9822, 65.9725, 73.1909

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.1520, 68.8433, 78.6298 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, 226, 221) looks like.

```
.text, #text, p{  
    color:rgb(176, 226, 221)  
}
```

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, 226, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 226, 221) }
```

Border

The CSS property to change the border of an element to XYZ 58.1520, 68.8433, 78.6298 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, 226, 221) }
```


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

```
.border{ border-color:rgb(176, 226, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 226, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 226, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 226, 221);  
box-shadow:4px 4px 4px 4px rgb(176, 226,  
221) }
```

Background

The CSS property to change the background color of an element to XYZ 58.1520, 68.8433, 78.6298 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 226, 221) }
```

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

```
.background{ background-color: rgb(176,  
226, 221) }
```

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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