

Converting Colors

XYZ(58.8159, 69.6512, 75.9897)

Have a look what the booklet for
XYZ(58.8159, 69.6512, 75.9897)
contains.

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Color

**XYZ(58.8159, 69.6512,
75.9897)**

Conversions

Conversions Part 1

Format	Color
Hex	B4E3D9
RGB	180, 227, 217
RGB Percent	71%, 89%, 85%
CMY	0.2941, 0.1098, 0.1490
CMYK	0.21, 0.00, 0.04, 0.11
HSL	167°, 46%, 80%
HSV	167°, 21%, 89%
XYZ	58.8159, 69.6512, 75.9897
YIQ	211.8070, -24.8020, -13.0740

Conversions

Conversions Part 2

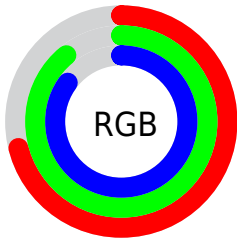
Format	Color
RYB	180, 206, 227
Decimal	11854809
CIELab	86.83, -17.14, -0.12
CIELCh	87, 17.136, 180.394
Yxy	69.6512, 0.2877, 0.3407
Android (android.graphics.Color)	4290044889 (0xFFB4E3D9)
YUV	211.8070, 2.5601, -27.8947
Hunter-Lab	83.4573, -20.2537, 4.4353

Details

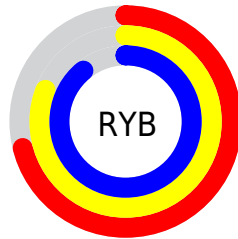
The XYZ color **58.8159, 69.6512, 75.9897** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **57.2966, 52.6931, 55.8692**, and the grayscale version is **62.4481, 65.7003, 71.5476**.

A 20% lighter version of the original color is **88.4021, 96.5729, 108.5889**, and **29.8783, 36.5493, 39.6624** is the 20% darker color. If you saturate the color by 10%, you get **53.3391, 66.9012, 72.5021**, and if you desaturate by 10%, it is **65.1805, 72.8604, 79.6178**.

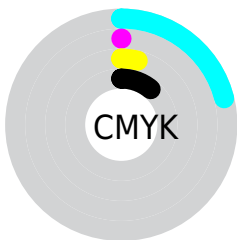
Distribution



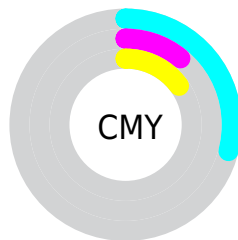
- Red (71%)
- Green (89%)
- Blue (85%)



- Red (71%)
- Yellow (81%)
- Blue (89%)



- Cyan (21%)
- Magenta (0%)
- Yellow (4%)
- Black (11%)



- Cyan (29%)
- Magenta (11%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 58.8159, 69.6512, 75.9897 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 58.8159, 69.6512, 75.9897 by changing the saturation by 10% instead.

■ 58.8159, 69.6512,
75.9897

■ 58.8159, 69.6512,
75.9897

410.1244,
459.3244, 500.6583

■ 42.7107, 51.2422,
55.9175

■ 102.2262,
118.7112, 129.4723

■ 29.8518, 36.4014,
39.7332

130.2621,
150.1310, 163.7197

■ 19.8736, 24.7444,
27.0184

163.0055,
186.6566, 203.5293

■ 12.4109, 15.8867,
17.3545

200.8219,
228.6723, 249.3196

■ 7.0984, 9.4440,
10.3229

244.0767,
276.5625, 301.5091

■ 3.5706, 5.0319,
5.5052

293.1351,

■ 1.4622, 2.2660,

330.7117, 360.5163

2.4827

348.3625,
391.5042, 426.7599

■ 0.2999, 0.7556,
0.8310

■ 0.0000, 0.0000,
0.0000

■ 58.8159, 69.6512,
75.9897

■ 58.8159, 69.6512,
75.9897

■ 53.3391, 66.9012,
72.5021

■ 65.1805, 72.8604,
79.6178

■ 48.7020, 64.5802,
69.1476


■ 72.4663, 76.5406,
83.3844


■ 44.8608, 62.6673,
65.9248


■ 80.7124, 80.7136,
87.2936


■ 41.7653, 61.1368,
62.8304


■ 83.8981, 82.2757,
91.0643

 39.3594, 59.9597,
59.8610


 84.6110, 82.5609,
94.8185


 37.5792, 59.1032,
57.0129

 85.3431, 82.8537,
98.6735

 36.3481, 58.5277,
54.2814

 86.0944, 83.1543,
102.6302

 35.5760, 58.1829,
51.8409

 86.7603, 83.4206,
106.1368

Harmonies

Analogous

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



59.7471, 69.6512, 65.4845



58.8159, 69.6512, 75.9897



59.7964, 69.6512, 87.5177

Triad

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



58.8159, 69.6512, 75.9897



70.1629, 69.6512, 96.4327



70.0678, 69.6512, 58.2800

Complementary

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



58.8159, 69.6512, 75.9897



57.2966, 52.6931, 55.8692

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.



73.0481, 69.6512, 65.2472



58.8159, 69.6512, 75.9897



73.1045, 69.6512, 87.2297

Square

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



58.8159, 69.6512, 75.9897



66.2542, 69.6512, 100.0230



74.1806, 69.6512, 75.6871



66.1486, 69.6512, 55.9047

Rectangle

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



58.8159, 69.6512, 75.9897



61.4258, 69.6512, 94.0745



74.1806, 69.6512, 75.6871



71.2182, 69.6512, 60.1256

Sweetspot

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



58.8179, 69.6541, 75.9913



89.1235, 97.0048, 105.9093



56.9906, 69.2072, 53.5360



18.9438, 20.6962, 22.6001



0.0000, 0.0000, 0.0000



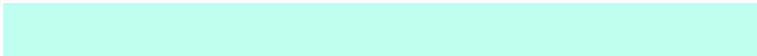
20.3446, 21.4041, 23.3091

Same Dimension

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



58.8179, 69.6541, 75.9913



73.2507, 89.0056, 96.8775



56.6562, 63.1849, 81.8861



14.6692, 16.2811, 17.7887



20.7915, 33.9487, 30.4662



1.5693, 2.5219, 2.4246

Inverse Universe

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



57.2966, 52.6931, 55.8692



70.9228, 63.0297, 66.0699



59.0592, 57.9085, 51.2461



14.5019, 14.4179, 15.5773



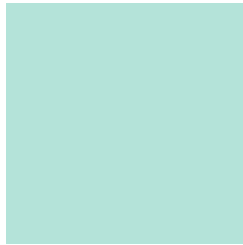
18.8247, 9.6641, 2.7059



1.4248, 0.7276, 0.3775

Previews

White Background



This preview shows how the XYZ color 58.8159, 69.6512, 75.9897 looks on a white background.

Color Contrast Check

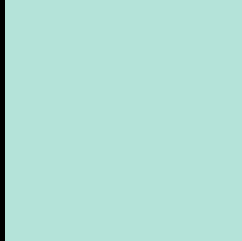
Large Text (above 18pt) WCAG AA × Fail

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 58.8159, 69.6512, 75.9897 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

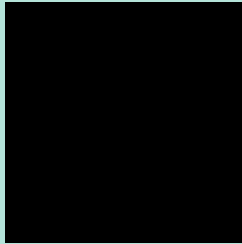
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

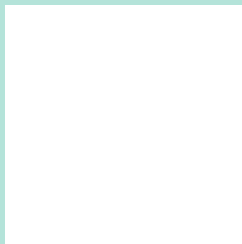
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 58.8159, 69.6512, 75.9897

Background



This preview shows how black text looks on a background with the XYZ color 58.8159, 69.6512, 75.9897.

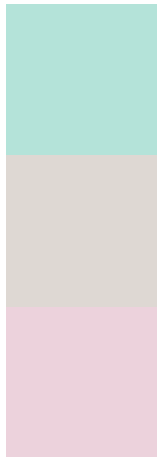


This preview shows how white text looks on a background with the XYZ color 58.8159, 69.6512,

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

58.8159, 69.6512, 75.9897

Protanopia

66.4379, 69.3445, 71.5112

Deuteranopia

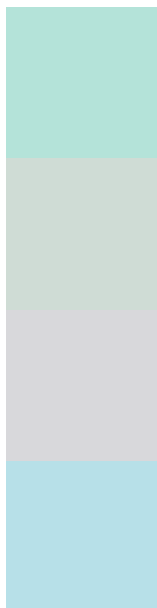
70.5569, 69.0934, 77.3277



Tritanopia

62.2724, 69.4405, 93.3403

Trichromacy



Original Color

58.8159, 69.6512, 75.9897

Protanomaly

63.3356, 69.2559, 72.9804

Deuteranomaly

65.6610, 68.8251, 76.8417

Tritanomaly

60.7496, 69.2048, 86.4999

Monochromacy



Original Color

58.8159, 69.6512, 75.9897

Achromatopsia

62.5785, 65.8375, 71.6970

Achromatomaly

60.7699, 66.7601, 73.3014

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.8159, 69.6512, 75.9897 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(180, 227, 217)` looks like.

```
.text, #text, p{  
    color:rgb(180, 227, 217)  
}
```

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(180, 227, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 227, 217) }
```

Border

The CSS property to change the border of an element to XYZ 58.8159, 69.6512, 75.9897 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(180, 227, 217) }
```


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

```
.border{ border-color:rgb(180, 227, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 227, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 227, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 227, 217);  
box-shadow:4px 4px 4px 4px rgb(180, 227,  
217) }
```

Background

The CSS property to change the background color of an element to XYZ 58.8159, 69.6512, 75.9897 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 227, 217) }
```

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

```
.background{ background-color: rgb(180,  
227, 217) }
```

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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