

Converting Colors

XYZ(58.4859, 69.3103, 83.6945)

Have a look what the booklet for
XYZ(58.4859, 69.3103, 83.6945)
contains.

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Color

**XYZ(58.4859, 69.3103,
83.6945)**

Conversions

Conversions Part 1

Format	Color
Hex	ACE3E4
RGB	172, 227, 228
RGB Percent	67%, 89%, 89%
CMY	0.3255, 0.1098, 0.1059
CMYK	0.25, 0.00, 0.00, 0.11
HSL	181°, 51%, 78%
HSV	181°, 25%, 89%
XYZ	58.4859, 69.3103, 83.6945
YIQ	210.6690, -33.1010, -11.3490

Conversions

Conversions Part 2

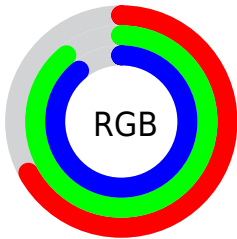
Format	Color
R_{YB}	172, 200, 228
Decimal	11330532
CIE _{Lab}	86.66, -17.21, -6.21
CIE _{LCh}	87, 18.296, 199.846
Yxy	69.3103, 0.2765, 0.3277
Android (android.graphics.Color)	4289520612 (0xFFACE3E4)
YUV	210.6690, 8.5442, -33.9127
Hunter-Lab	83.2528, -20.2944, -1.3276

Details

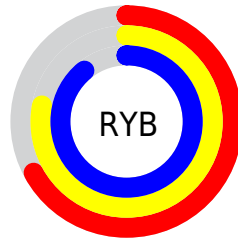
The XYZ color **58.4859, 69.3103, 83.6945** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **54.3855, 49.3598, 45.6919**, and the grayscale version is **61.6612, 64.8724, 70.6461**.

A 20% lighter version of the original color is **86.1231, 95.3980, 108.4822**, and **29.7666, 36.3737, 44.9871** is the 20% darker color. If you saturate the color by 10%, you get **53.7946, 66.7290, 83.4447**, and if you desaturate by 10%, it is **64.0400, 72.3403, 83.9878**.

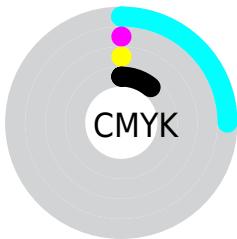
Distribution



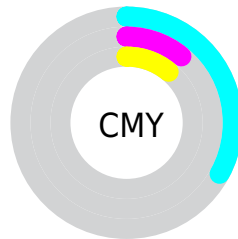
- Red (67%)
- Green (89%)
- Blue (89%)



- Red (67%)
- Yellow (78%)
- Blue (89%)



- Cyan (25%)
- Magenta (0%)
- Yellow (0%)
- Black (11%)



- Cyan (33%)
- Magenta (11%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 58.4859, 69.3103, 83.6945 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 58.4859, 69.3103, 83.6945 by changing the saturation by 10% instead.

■ 58.4859, 69.3103,
83.6945

■ 58.4859, 69.3103,
83.6945

408.9188,
458.1246, 527.3297

■ 42.4442, 50.9645,
62.2193

■ 101.7490,
118.2247, 140.4057

■ 29.6419, 36.1803,
44.7730

129.7011,
149.5620, 176.4787

■ 19.7136, 24.5735,
30.9370

162.3541,
185.9986, 218.2548

■ 12.2941, 15.7596,
20.2928

200.0732,
227.9189, 266.1525

■ 7.0179, 9.3542,
12.4219

243.2239,
275.7072, 320.5903

■ 3.5197, 4.9729,
6.9057

292.1715,

■ 1.4342, 2.2314,

329.7480, 381.9867

3.3256

347.2813,
390.4257, 450.7603

■ 0.2804, 0.7370,
1.2632

■ 0.0000, 0.0000,
0.0314

■ 58.4859, 69.3103,
83.6945

■ 58.4859, 69.3103,
83.6945

■ 53.7946, 66.7290,
83.4447

■ 64.0400, 72.3403,
83.9878

■ 49.9162, 64.5653,
83.2314


■ 70.4915, 75.8316,
84.3216


■ 46.8050, 62.7976,
83.0542


■ 77.8806, 79.8066,
84.6994


■ 44.4085, 61.3986,
82.9105


■ 83.1604, 82.6947,
84.9786

 42.6672, 60.3379,
82.7975


 83.2726, 82.9191,
85.0160


 41.5126, 59.5800,
82.7121

 83.3851, 83.1441,
85.0535

 40.8606, 59.0815,
82.6502

 83.4978, 83.3696,
85.0911

 40.6439, 58.8817,
82.6231

 83.6108, 83.5956,
85.1287

 83.7241, 83.8221,
85.1665

Harmonies

Analogous

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



58.1564, 69.3103, 71.4158



58.4859, 69.3103, 83.6945



60.7470, 69.3103, 94.8053

Triad

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



58.4859, 69.3103, 83.6945



72.3227, 69.3103, 91.5873



67.3286, 69.3103, 54.6947

Complementary

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



58.4859, 69.3103, 83.6945



54.3855, 49.3598, 45.6919

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.



71.2887, 69.3103, 58.9555



58.4859, 69.3103, 83.6945



74.2531, 69.3103, 79.6688

Square

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



58.4859, 69.3103, 83.6945



68.6907, 69.3103, 99.6906



73.8667, 69.3103, 67.7974



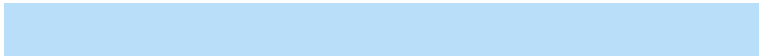
63.1419, 69.3103, 55.5245

Rectangle

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



58.4859, 69.3103, 83.6945



63.1017, 69.3103, 99.6388



73.8667, 69.3103, 67.7974



68.7333, 69.3103, 55.5597

Sweetspot

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



58.4879, 69.3131, 83.6961



88.6839, 96.5677, 108.5730



52.2942, 67.2733, 49.7314



18.8705, 20.6092, 23.2333



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.



58.4879, 69.3131, 83.6961



72.4592, 87.7326, 107.7228



51.4568, 55.2509, 81.3524



14.7843, 16.2900, 18.5094



23.4789, 34.0199, 47.7122



1.7421, 2.5281, 3.5281

Inverse Universe

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



60.6142, 51.5465, 79.4311



75.6128, 61.4636, 101.3787



60.3136, 61.2160, 47.6679



14.9835, 14.6106, 18.1133



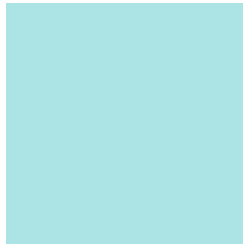
26.2446, 12.6320, 41.7784



1.9430, 0.9349, 3.1061

Previews

White Background



This preview shows how the XYZ color 58.4859, 69.3103, 83.6945 looks on a white background.

Color Contrast Check

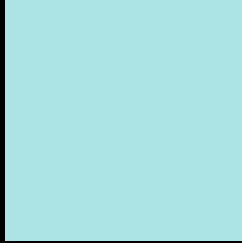
Large Text (above 18pt) WCAG AA × Fail

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 58.4859, 69.3103, 83.6945 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

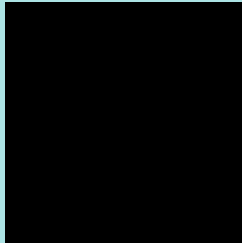
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 58.4859, 69.3103, 83.6945

Background



This preview shows how black text looks on a background with the XYZ color 58.4859, 69.3103, 83.6945.

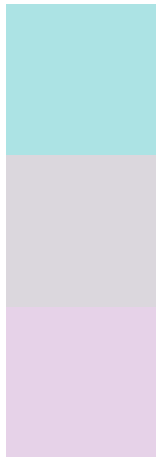


This preview shows how white text looks on a background with the XYZ color 58.4859, 69.3103,

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

58.4859, 69.3103, 83.6945

Protanopia

66.5650, 68.8814, 78.1937

Deuteranopia

70.2452, 68.7424, 85.9102



Tritanopia

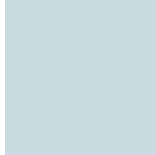
60.7821, 69.4355, 94.9928

Trichromacy



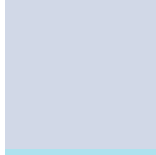
Original Color

58.4859, 69.3103, 83.6945



Protanomaly

63.1432, 68.6014, 80.4344



Deuteranomaly

65.2742, 68.4366, 85.3706



Tritanomaly

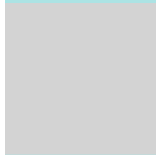
60.0845, 69.5644, 91.1494

Monochromacy



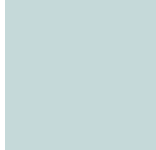
Original Color

58.4859, 69.3103, 83.6945



Achromatopsia

61.9161, 65.1406, 70.9381



Achromatomaly

60.3632, 66.5058, 75.3011

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.4859, 69.3103, 83.6945 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(172, 227, 228)` looks like.

```
.text, #text, p{  
    color:rgb(172, 227, 228)  
}
```

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(172, 227, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 227, 228) }
```

Border

The CSS property to change the border of an element to XYZ 58.4859, 69.3103, 83.6945 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(172, 227, 228) }
```


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

```
.border{ border-color:rgb(172, 227, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 227, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 227, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 227, 228);  
box-shadow:4px 4px 4px 4px rgb(172, 227,  
228) }
```

Background

The CSS property to change the background color of an element to XYZ 58.4859, 69.3103, 83.6945 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 227, 228) }
```

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

```
.background{ background-color: rgb(172,  
227, 228) }
```

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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