

Converting Colors

XYZ(58.7448, 69.8024, 85.9783)

Have a look what the booklet for
XYZ(58.7448, 69.8024, 85.9783)
contains.

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Color

**XYZ(58.7448, 69.8024,
85.9783)**

Conversions

Conversions Part 1

Format	Color
Hex	AAE4E7
RGB	170, 228, 231
RGB Percent	67%, 89%, 91%
CMY	0.3333, 0.1059, 0.0941
CMYK	0.26, 0.01, 0.00, 0.09
HSL	183°, 56%, 79%
HSV	183°, 26%, 91%
XYZ	58.7448, 69.8024, 85.9783
YIQ	211.0000, -35.5310, -11.3630

Conversions

Conversions Part 2

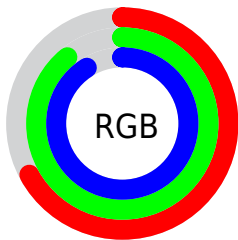
Format	Color
RYB	170, 200, 231
Decimal	11199719
CIELab	86.90, -17.63, -7.45
CIELCh	87, 19.136, 202.896
Yxy	69.8024, 0.2738, 0.3254
Android (android.graphics.Color)	4289389799 (0xFFAAE4E7)
YUV	211.0000, 9.8600, -35.9570
Hunter-Lab	83.5478, -20.7004, -2.5313

Details

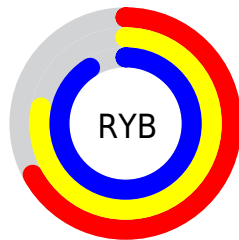
The XYZ color **58.7448, 69.8024, 85.9783** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **55.1551, 49.7788, 44.7330**, and the grayscale version is **61.8723, 65.0945, 70.8879**.

A 20% lighter version of the original color is **85.4886, 95.0709, 108.4525**, and **29.6928, 36.3132, 46.0016** is the 20% darker color. If you saturate the color by 10%, you get **53.8726, 66.8304, 85.6626**, and if you desaturate by 10%, it is **64.5006, 73.2364, 86.3389**.

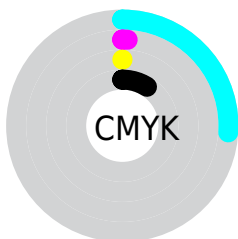
Distribution



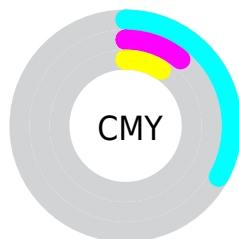
- Red (67%)
- Green (89%)
- Blue (91%)



- Red (67%)
- Yellow (78%)
- Blue (91%)



- Cyan (26%)
- Magenta (1%)
- Yellow (0%)
- Black (9%)



- Cyan (33%)
- Magenta (11%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 58.7448, 69.8024, 85.9783 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 58.7448, 69.8024, 85.9783 by changing the saturation by 10% instead.

■ 58.7448, 69.8024,
85.9783

■ 58.7448, 69.8024,
85.9783

409.8648,
459.8559, 535.0884

■ 42.6533, 51.3655,
64.0952

■ 102.1234,
118.9269, 143.6255

■ 29.8065, 36.4995,
46.2811

130.1412,
150.3833, 180.2267

■ 19.8391, 24.8202,
32.1175

162.8652,
186.9483, 222.5710

■ 12.3857, 15.9432,
21.1857

200.6607,
229.0062, 271.0770

■ 7.0810, 9.4840,
13.0672

243.8930,
276.9416, 326.1632

■ 3.5596, 5.0582,
7.3436

292.9276,

■ 1.4561, 2.2814,

331.1387, 388.2481

3.5962

348.1297,
391.9820, 457.7504

■ 0.2957, 0.7639,
1.4065

■ 0.0000, 0.0000,
0.1468

■ 58.7448, 69.8024,
85.9783

■ 58.7448, 69.8024,
85.9783

■ 53.8726, 66.8304,
85.6626

■ 64.5006, 73.2364,
86.3389

■ 49.8319, 64.2884,
85.3849

■ 71.1763, 77.1460,
86.7417

■ 46.5746, 62.1532,
85.1445

■ 78.8138, 81.5545,
87.1901

■ 44.0453, 60.3964,
84.9387

■ 84.6741, 85.0498,
87.5559

42.1813, 58.9855,
84.7646

84.9957, 85.6929,
87.6631

40.9091, 57.8828,
84.6188

85.3193, 86.3401,
87.7709

40.1367, 57.0407,
84.4970

85.6449, 86.9914,
87.8795

39.9258, 56.7732,
84.4564

85.9727, 87.6469,
87.9887

86.3025, 88.3066,
88.0987

Harmonies

Analogous

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



58.1835, 69.8024, 73.0021



58.7448, 69.8024, 85.9783



61.2985, 69.8024, 97.3524

Triad

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



58.7448, 69.8024, 85.9783



73.4320, 69.8024, 91.8250



67.4127, 69.8024, 54.1177

Complementary

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



58.7448, 69.8024, 85.9783



55.1551, 49.7788, 44.7330

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.



71.6613, 69.8024, 58.0279



58.7448, 69.8024, 85.9783



75.2363, 69.8024, 79.0849

Square

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



58.7448, 69.8024, 85.9783



69.7424, 69.8024, 100.9837



74.5742, 69.8024, 66.8306



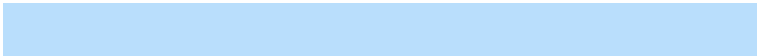
63.0599, 69.8024, 55.5243

Rectangle

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



58.7448, 69.8024, 85.9783



63.8515, 69.8024, 102.0145



74.5742, 69.8024, 66.8306



68.9027, 69.8024, 54.8376

Sweetspot

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



58.7469, 69.8052, 85.9799



87.6201, 95.6963, 108.4609



52.6044, 68.6790, 49.5318



18.4739, 20.3194, 23.1983



0.0000, 0.0000, 0.0000



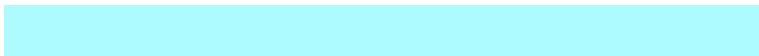
20.3446, 21.4041, 23.3091

Same Dimension

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



58.7469, 69.8052, 85.9799



69.8664, 85.1384, 107.3587



51.3037, 54.9189, 83.4988



14.7436, 16.2086, 18.4958



22.4103, 31.8826, 47.3560



1.6748, 2.3936, 3.5057

Inverse Universe

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



61.3350, 51.3414, 80.0792



73.6715, 58.2652, 98.6225



61.4579, 62.3844, 46.8339



14.9629, 14.6024, 18.0051



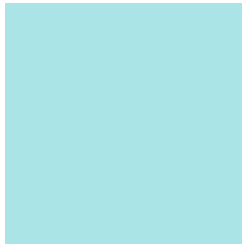
25.7052, 12.4163, 38.9380



1.9090, 0.9213, 2.9273

Previews

White Background



This preview shows how the XYZ color 58.7448, 69.8024, 85.9783 looks on a white background.

Color Contrast Check

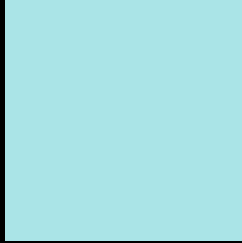
Large Text (above 18pt) WCAG AA × Fail

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 58.7448, 69.8024, 85.9783 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

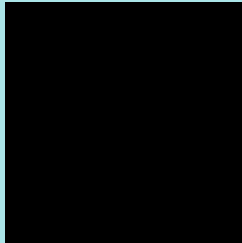
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 58.7448, 69.8024, 85.9783

Background



This preview shows how black text looks on a background with the XYZ color 58.7448, 69.8024, 85.9783.



This preview shows how white text looks on a background with the XYZ color 58.7448, 69.8024,

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

58.7448, 69.8024, 85.9783

Protanopia

67.2238, 69.5536, 80.4031

Deuteranopia

70.9228, 69.4097, 88.2566



Tritanopia

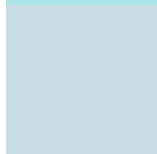
60.7591, 69.8086, 95.8600

Trichromacy



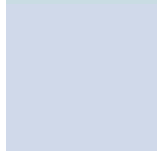
Original Color

58.7448, 69.8024, 85.9783



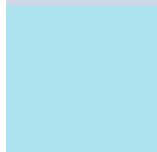
Protanomaly

63.5457, 69.1500, 82.6711



Deuteranomaly

65.6766, 68.9761, 87.6941



Tritanomaly

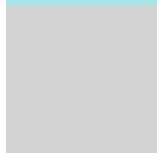
60.0623, 69.9408, 91.9957

Monochromacy



Original Color

58.7448, 69.8024, 85.9783



Achromatopsia

61.9161, 65.1406, 70.9381



Achromatomaly

60.2327, 66.4234, 75.9761

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.7448, 69.8024, 85.9783 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, 228, 231)` looks like.

```
.text, #text, p{  
    color:rgb(170, 228, 231)  
}
```

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, 228, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 228, 231) }
```

Border

The CSS property to change the border of an element to XYZ 58.7448, 69.8024, 85.9783 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, 228, 231) }
```


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

```
.border{ border-color:rgb(170, 228, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 228, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 228, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 228, 231);  
box-shadow:4px 4px 4px 4px rgb(170, 228,  
231) }
```

Background

The CSS property to change the background color of an element to XYZ 58.7448, 69.8024, 85.9783 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 228, 231) }
```

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

```
.background{ background-color: rgb(170,  
228, 231) }
```

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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