

Converting Colors

XYZ(58.2168, 68.2271, 88.5693)

Have a look what the booklet for
XYZ(58.2168, 68.2271, 88.5693)
contains.

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Color

**XYZ(58.2828, 68.2836,
88.7055)**

Conversions

Conversions Part 1

Format	Color
Hex	A9E1EB
RGB	169, 225, 235
RGB Percent	66%, 88%, 92%
CMY	0.3372, 0.1176, 0.0784
CMYK	0.28, 0.04, 0.00, 0.08
HSL	189°, 62%, 79%
HSV	189°, 28%, 92%
XYZ	58.2828, 68.2836, 88.7055
YIQ	209.3960, -36.5860, -8.7620

Conversions

Conversions Part 2

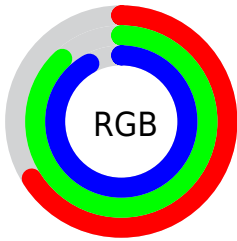
Format	Color
RYB	169, 199, 235
Decimal	11133419
CIELab	86.15, -15.51, -10.68
CIELCh	86, 18.826, 214.545
Yxy	68.2836, 0.2707, 0.3172
Android (android.graphics.Color)	4289323499 (0xFFA9E1EB)
YUV	209.3960, 12.6228, -35.4273
Hunter-Lab	82.6339, -18.7108, -5.8027

Details

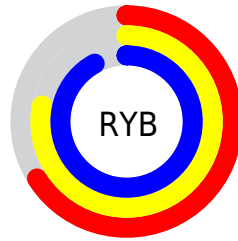
The XYZ color **58.2828, 68.2836, 88.7055** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **57.5433, 52.7675, 44.6899**, and the grayscale version is **60.8018, 63.9682, 69.6614**.

A 20% lighter version of the original color is **85.1740, 94.9088, 108.4378**, and **29.5816, 35.6490, 47.9696** is the 20% darker color. If you saturate the color by 10%, you get **52.7355, 64.0117, 88.1745**, and if you desaturate by 10%, it is **64.7603, 73.0682, 89.2888**.

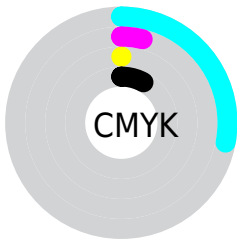
Distribution



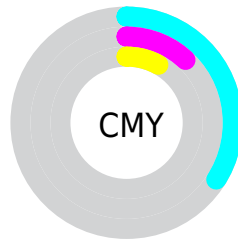
- Red (66%)
- Green (88%)
- Blue (92%)



- Red (66%)
- Yellow (78%)
- Blue (92%)



- Cyan (28%)
- Magenta (4%)
- Yellow (0%)
- Black (8%)



- Cyan (34%)
- Magenta (12%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 58.2828, 68.2836, 88.7055 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 58.2828, 68.2836, 88.7055 by changing the saturation by 10% instead.

■ 58.2828, 68.2836,
88.7055

■ 58.2828, 68.2836,
88.7055

408.1758,
454.5002, 544.2719

■ 42.2802, 50.1285,
66.3398

■ 101.4552,
116.7578, 147.4587

■ 29.5128, 35.5155,
48.0901

129.3556,
147.8456, 184.6834

■ 19.6153, 24.0602,
33.5378

161.9528,
184.0131, 227.6981

■ 12.2224, 15.3783,
22.2642

199.6119,
225.6448, 276.9215

■ 6.9686, 9.0853,
13.8510

242.6984,
273.1249, 332.7720

■ 3.4886, 4.7969,
7.8796

291.5777,

■ 1.4171, 2.1286,

326.8379, 395.6682

3.9313

346.6150,
387.1682, 466.0287

■ 0.2684, 0.6806,
1.5877

■ 0.0000, 0.0000,
0.2820

■ 58.2828, 68.2836,
88.7055

■ 58.2828, 68.2836,
88.7055

■ 52.7355, 64.0117,
88.1745

■ 64.7603, 73.0682,
89.2888

■ 48.0636, 60.2191,
87.6886

■ 72.2070, 78.3806,
89.9217

■ 44.2160, 56.8808,
87.2471

■ 80.6669, 84.2455,
90.6078

■ 41.1335, 53.9662,
86.8470

■ 87.1734, 89.1338,
91.2084

■ 38.7490, 51.4405,
86.4851

■ 88.2273, 91.2416,
91.5597

■ 36.9833, 49.2627,
86.1578

■ 89.3018, 93.3906,
91.9179

■ 35.7262, 47.3758,
85.8599

■ 90.3971, 95.5813,
92.2830

■ 35.5122, 47.0313,
85.8047

■ 91.5133, 97.8136,
92.6551

■ 91.9956, 98.7782,
92.8158

Harmonies

Analogous

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



56.9511, 68.2836, 76.2546



58.2828, 68.2836, 88.7055



61.3886, 68.2836, 98.0223

Triad

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



58.2828, 68.2836, 88.7055



72.7125, 68.2836, 85.0751



64.2441, 68.2836, 53.0240

Complementary

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



58.2828, 68.2836, 88.7055



57.5433, 52.7675, 44.6899

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.



68.5459, 68.2836, 54.8319



58.2828, 68.2836, 88.7055



73.5594, 68.2836, 72.4759

Square

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



58.2828, 68.2836, 88.7055



69.7378, 68.2836, 95.7682



72.0033, 68.2836, 61.6320



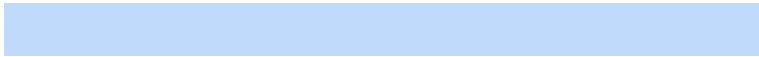
60.2942, 68.2836, 56.3886

Rectangle

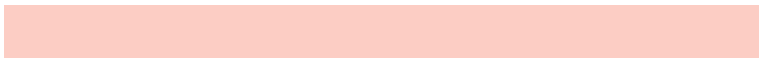
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



58.2828, 68.2836, 88.7055



64.1133, 68.2836, 100.6995



72.0033, 68.2836, 61.6320



65.6962, 68.2836, 53.0503

Sweetspot

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



58.2848, 68.2863, 88.7071



86.9611, 94.3784, 108.2412



54.1985, 71.1036, 53.4641



18.3067, 19.9849, 23.1426



0.0000, 0.0000, 0.0000



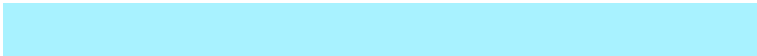
20.3446, 21.4041, 23.3091

Same Dimension

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



58.2848, 68.2863, 88.7071



65.9749, 79.0029, 106.3796



50.2306, 52.1779, 86.0223



15.3120, 16.7104, 19.3407



19.8394, 26.3259, 47.7787



1.6105, 2.1725, 3.7693

Inverse Universe

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



62.0412, 51.4760, 77.9031



71.3051, 55.7790, 90.9079



64.9422, 67.5651, 47.1562



15.6110, 15.2723, 18.5030



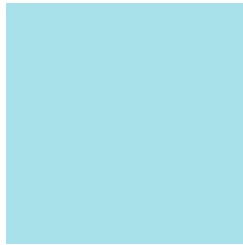
24.8693, 12.1504, 31.4429



1.9794, 0.9647, 2.6090

Previews

White Background



This preview shows how the XYZ color 58.2828, 68.2836, 88.7055 looks on a white background.

Color Contrast Check

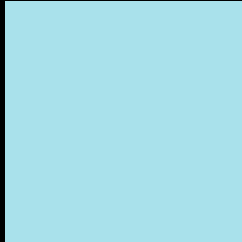
Large Text (above 18pt) WCAG AA × Fail

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 58.2828, 68.2836, 88.7055 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

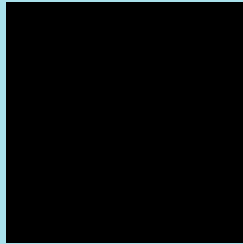
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 58.2828, 68.2836, 88.7055

Background



This preview shows how black text looks on a background with the XYZ color 58.2828, 68.2836, 88.7055.

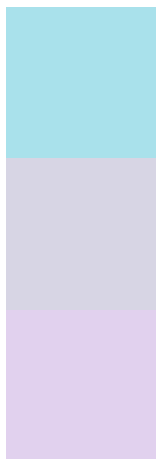


This preview shows how white text looks on a background with the XYZ color 58.2828, 68.2836,

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

58.2828, 68.2836, 88.7055

Protanopia

65.8222, 67.6370, 82.9848

Deuteranopia

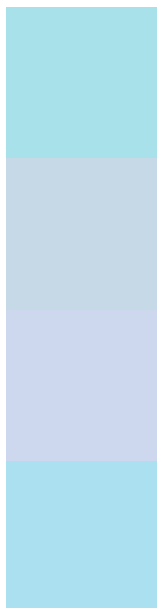
69.2844, 67.7815, 90.3204



Tritanopia

59.4773, 68.3800, 94.0683

Trichromacy



Original Color

58.2828, 68.2836, 88.7055

Protanomaly

62.5254, 67.4010, 85.3156

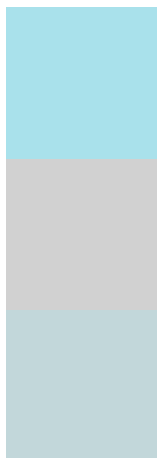
Deuteranomaly

64.7633, 67.6944, 89.7737

Tritanomaly

58.8132, 68.0894, 91.7041

Monochromacy



Original Color

58.2828, 68.2836, 88.7055

Achromatopsia

60.6036, 63.7597, 69.4343

Achromatomaly

59.2035, 65.1322, 75.7811

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.2828, 68.2836, 88.7055 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(169, 225, 235)` looks like.

```
.text, #text, p{  
    color:rgb(169, 225, 235)  
}
```

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(169, 225, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 225, 235) }
```

Border

The CSS property to change the border of an element to XYZ 58.2828, 68.2836, 88.7055 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(169, 225, 235) }
```


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

```
.border{ border-color:rgb(169, 225, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 225, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(169, 225, 235); -webkit-box-shadow:4px 4px 4px 4px rgb(169, 225, 235); box-shadow:4px 4px 4px 4px rgb(169, 225, 235) }
```

Background

The CSS property to change the background color of an element to XYZ 58.2828, 68.2836, 88.7055 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 225, 235) }
```

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

```
.background{ background-color: rgb(169,  
225, 235) }
```

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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