

Converting Colors

XYZ(58.2409, 66.7921, 91.0770)

Have a look what the booklet for
XYZ(58.2409, 66.7921, 91.0770)
contains.

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Color

**XYZ(58.0837, 66.5439,
90.6718)**

Conversions

Conversions Part 1

Format	Color
Hex	ABDDEE
RGB	171, 221, 238
RGB Percent	67%, 87%, 93%
CMY	0.3294, 0.1333, 0.0667
CMYK	0.28, 0.07, 0.00, 0.07
HSL	195°, 66%, 80%
HSV	195°, 28%, 93%
XYZ	58.0837, 66.5439, 90.6718
YIQ	207.9880, -35.2570, -5.3130

Conversions

Conversions Part 2

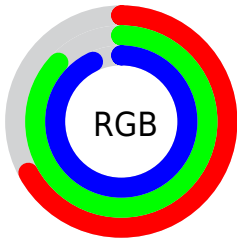
Format	Color
R _Y B	171, 200, 238
Decimal	11263470
CIE Lab	85.27, -12.22, -13.55
CIE LCh	85, 18.249, 227.964
Yxy	66.5439, 0.2698, 0.3091
Android (android.graphics.Color)	4289453550 (0xFFABDDEE)
YUV	207.9880, 14.7959, -32.4385
Hunter-Lab	81.5744, -15.6574, -8.8000

Details

The XYZ color **58.0837, 66.5439, 90.6718** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **60.5947, 57.0845, 46.3545**, and the grayscale version is **59.8716, 62.9896, 68.5957**.

A 20% lighter version of the original color is **85.8049, 95.2340, 108.4673**, and **29.4158, 34.4317, 49.3516** is the 20% darker color. If you saturate the color by 10%, you get **51.7938, 60.9786, 89.9302**, and if you desaturate by 10%, it is **65.3684, 72.7103, 91.4792**.

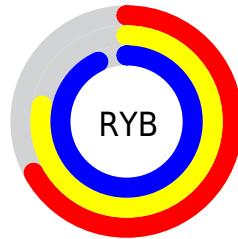
Distribution



Red (67%)

Green (87%)

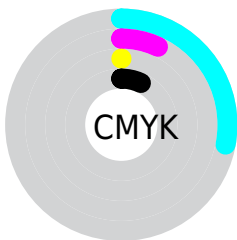
Blue (93%)



Red (67%)

Yellow (78%)

Blue (93%)

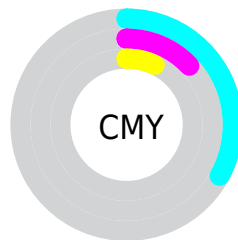


Cyan (28%)

Magenta (7%)

Yellow (0%)

Black (7%)



Cyan (33%)

Magenta (13%)

Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 58.0837, 66.5439, 90.6718 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 58.0837, 66.5439, 90.6718 by changing the saturation by 10% instead.

■ 58.0837, 66.5439,
90.6718

■ 58.0837, 66.5439,
90.6718

407.4466,
448.3195, 550.8402

■ 42.1195, 48.7141,
67.9611

■ 101.1670,
114.2666, 150.2149

■ 29.3864, 34.3927,
49.3996

129.0168,
144.9283, 187.8843

■ 19.5190, 23.1955,
34.5687

161.5591,
180.6360, 231.3771

■ 12.1521, 14.7379,
23.0500

199.1594,
221.7742, 281.1118

■ 6.9203, 8.6356,
14.4248

242.1829,
268.7273, 337.5069

■ 3.4582, 4.5043,
8.2746

290.9950,

■ 1.4004, 1.9595,

321.8796, 400.9810

4.1809

345.9611,
381.6156, 471.9526

■ 0.2565, 0.5838,
1.7251

■ 0.0000, 0.0000,
0.3778

■ 58.0837, 66.5439,
90.6718

■ 58.0837, 66.5439,
90.6718

■ 51.7938, 60.9786,
89.9302

■ 65.3684, 72.7103,
91.4792

■ 46.4418, 55.9796,
89.2474

■ 73.6888, 79.4951,
92.3503

■ 41.9745, 51.5199,
88.6220

■ 83.0907, 86.9242,
93.2887

■ 38.3304, 47.5670,
88.0511

■ 89.3725, 92.8325,
94.0980

■ 35.4394, 44.0839,
87.5312

■ 91.2307, 96.5489,
94.7174

■ 33.2194, 41.0272,
87.0582

■ 92.4328, 98.9531,
95.1181

■ 31.5556, 38.3369,
86.6266

■ 31.2780, 37.8634,
86.5498

Harmonies

Analogous

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



55.9983, 66.5439, 79.6898



58.0837, 66.5439, 90.6718



61.6082, 66.5439, 97.0220

Triad

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



58.0837, 66.5439, 90.6718



71.3276, 66.5439, 77.2964



60.8329, 66.5439, 52.9218

Complementary

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



58.0837, 66.5439, 90.6718



60.5947, 57.0845, 46.3545

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.



64.9166, 66.5439, 52.4302



58.0837, 66.5439, 90.6718



71.0978, 66.5439, 65.6719

Square

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



58.0837, 66.5439, 90.6718



69.3244, 66.5439, 88.7564



68.7096, 66.5439, 56.8578



57.5374, 66.5439, 58.2828

Rectangle

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



58.0837, 66.5439, 90.6718



64.3534, 66.5439, 97.3630



68.7096, 66.5439, 56.8578



62.1553, 66.5439, 52.2046

Sweetspot

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



58.0857, 66.5466, 90.6733



86.3101, 93.0764, 108.0243



56.4207, 73.4284, 58.6368



18.1418, 19.6552, 23.0876



0.0000, 0.0000, 0.0000



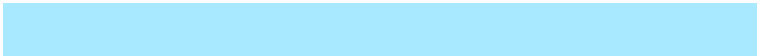
20.3446, 21.4041, 23.3091

Same Dimension

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



58.0857, 66.5466, 90.6733



63.4026, 73.8582, 105.5221



50.1586, 50.6924, 88.0310



15.8881, 17.2103, 20.2061



17.5585, 21.3413, 48.3217



1.5395, 1.9331, 4.0462

Inverse Universe

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



62.8756, 52.5252, 75.2340



70.0067, 55.2596, 84.0706



68.5344, 72.9638, 49.0010



16.2730, 15.9589, 18.9936



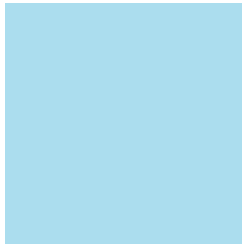
24.1884, 11.9478, 24.7062



2.0520, 1.0099, 2.2649

Previews

White Background



This preview shows how the XYZ color 58.0837, 66.5439, 90.6718 looks on a white background.

Color Contrast Check

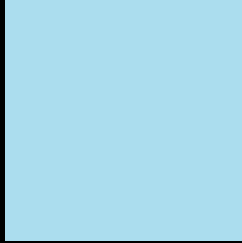
Large Text (above 18pt) WCAG AA × Fail

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 58.0837, 66.5439, 90.6718 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

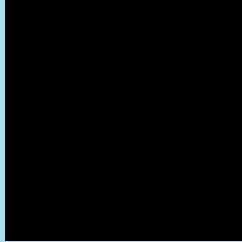
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 58.0837, 66.5439, 90.6718

Background



This preview shows how black text looks on a background with the XYZ color 58.0837, 66.5439, 90.6718.



This preview shows how white text looks on a background with the XYZ color 58.0837, 66.5439,

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

58.0837, 66.5439, 90.6718

Protanopia

64.7237, 66.2636, 85.7228

Deuteranopia

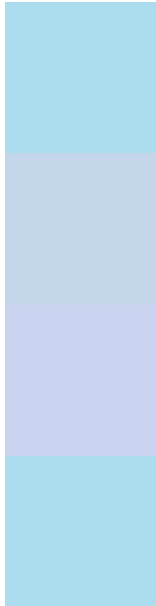
67.7052, 66.1922, 92.4270



Tritanopia

58.2310, 66.6028, 91.4479

Trichromacy



Original Color

58.0837, 66.5439, 90.6718

Protanomaly

61.9167, 66.2772, 87.3713

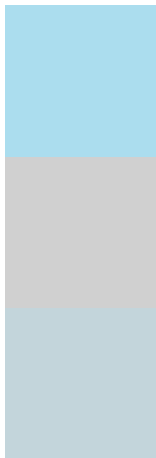
Deuteranomaly

63.6288, 65.9348, 91.8112

Tritanomaly

58.2310, 66.6028, 91.4479

Monochromacy



Original Color

58.0837, 66.5439, 90.6718

Achromatopsia

59.9535, 63.0757, 68.6895

Achromatomaly

59.0861, 64.3051, 76.3158

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.0837, 66.5439, 90.6718 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(171, 221, 238)` looks like.

```
.text, #text, p{  
    color:rgb(171, 221, 238)  
}
```

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(171, 221, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 221, 238) }
```

Border

The CSS property to change the border of an element to XYZ 58.0837, 66.5439, 90.6718 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(171, 221, 238) }
```


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

```
.border{ border-color:rgb(171, 221, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 221, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(171, 221, 238); -webkit-box-shadow:4px 4px 4px 4px rgb(171, 221, 238); box-shadow:4px 4px 4px 4px rgb(171, 221, 238) }
```

Background

The CSS property to change the background color of an element to XYZ 58.0837, 66.5439, 90.6718 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 221, 238) }
```

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

```
.background{ background-color: rgb(171,  
221, 238) }
```

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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