

Converting Colors

XYZ(59.6170, 63.8838, 90.8500)

Have a look what the booklet for
XYZ(59.6170, 63.8838, 90.8500)
contains.

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Color

**XYZ(59.6170, 63.8838,
90.8500)**

Conversions

Conversions Part 1

Format	Color
Hex	BBD4EF
RGB	187, 212, 239
RGB Percent	73%, 83%, 94%
CMY	0.2667, 0.1686, 0.0627
CMYK	0.22, 0.11, 0.00, 0.06
HSL	211°, 62%, 84%
HSV	211°, 22%, 94%
XYZ	59.6170, 63.8838, 90.8500
YIQ	207.6030, -23.5670, 3.0970

Conversions

Conversions Part 2

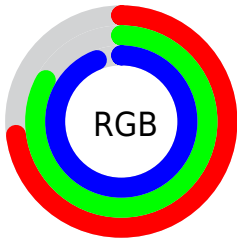
Format	Color
R _Y B	187, 204, 239
Decimal	12309743
CIE Lab	83.91, -2.62, -16.04
CIE LCh	84, 16.249, 260.712
Yxy	63.8838, 0.2781, 0.2980
Android (android.graphics.Color)	4290499823 (0xFFBBD4EF)
YUV	207.6030, 15.4787, -18.0688
Hunter-Lab	79.9273, -6.7315, -11.4433

Details

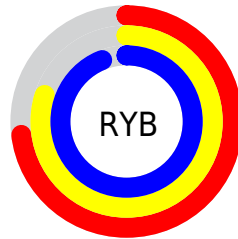
The XYZ color **59.6170, 63.8838, 90.8500** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **68.6134, 70.0318, 56.9164**, and the grayscale version is **59.6129, 62.7174, 68.2992**.

A 20% lighter version of the original color is **91.1182, 97.9731, 108.7160**, and **30.2771, 32.5194, 49.4808** is the 20% darker color. If you saturate the color by 10%, you get **51.2662, 55.1510, 89.6056**, and if you desaturate by 10%, it is **69.1831, 73.6002, 92.2223**.

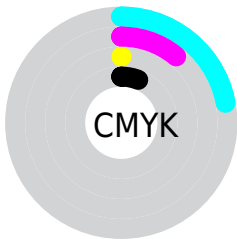
Distribution



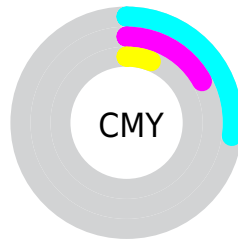
- Red (73%)
- Green (83%)
- Blue (94%)



- Red (73%)
- Yellow (80%)
- Blue (94%)



- Cyan (22%)
- Magenta (11%)
- Yellow (0%)
- Black (6%)



- Cyan (27%)
- Magenta (17%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 59.6170, 63.8838, 90.8500 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 59.6170, 63.8838, 90.8500 by changing the saturation by 10% instead.

■ 59.6170, 63.8838,
90.8500

■ 59.6170, 63.8838,
90.8500

413.0420,
438.7699, 551.4333

■ 43.3583, 46.5566,
68.1082

■ 103.3834,
110.4436, 150.4643

■ 30.3621, 32.6852,
49.5185

131.6218,
140.4449, 188.1739

■ 20.2630, 21.8854,
34.6625

164.5841,
175.4397, 231.7098

■ 12.6957, 13.7727,
23.1215

202.6357,
215.8124, 281.4906

■ 7.2949, 7.9628,
14.4771

246.1419,
261.9474, 337.9348

■ 3.6952, 4.0711,
8.3107

295.4681,

■ 1.5312, 1.7134,

314.2290, 401.4610

4.2038

350.9797,
373.0417, 472.4876

■ 0.3469, 0.4323,
1.7378

■ 0.0000, 0.0000,
0.3864

■ 59.6170, 63.8838,
90.8500

■ 59.6170, 63.8838,
90.8500

■ 51.2662, 55.1510,
89.6056

■ 69.1831, 73.6002,
92.2223

■ 44.0716, 47.3587,
88.4807

■ 80.0086, 84.3258,
93.7220

■ 37.9772, 40.4713,
87.4725

■ 90.7671, 95.3858,
95.2898

■ 32.9200, 34.4480,
86.5765

■ 92.5802, 99.0121,
95.8941

■ 28.8297, 29.2436,
85.7875

■ 25.6264, 24.8077,
85.1001

■ 23.2146, 21.0815,
84.5080

■ 21.7013, 18.4743,
84.0845

Harmonies

Analogous

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



56.4704, 63.8838, 85.9335



59.6170, 63.8838, 90.8500



63.1831, 63.8838, 89.6437

Triad

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



59.6170, 63.8838, 90.8500



67.3784, 63.8838, 62.8264



55.5537, 63.8838, 57.8235

Complementary

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



59.6170, 63.8838, 90.8500



68.6134, 70.0318, 56.9164

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.



58.3211, 63.8838, 52.7228



59.6170, 63.8838, 90.8500



65.1768, 63.8838, 55.4084

Square

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



59.6170, 63.8838, 90.8500



67.7586, 63.8838, 72.7844



61.8358, 63.8838, 51.8843



54.1858, 63.8838, 66.4296

Rectangle

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



59.6170, 63.8838, 90.8500



65.3141, 63.8838, 85.5721



61.8358, 63.8838, 51.8843



56.3459, 63.8838, 55.6790

Sweetspot

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



59.6189, 63.8864, 90.8514



85.8996, 90.9993, 107.6450



63.4819, 77.1472, 75.0755



18.2246, 19.3174, 23.0180



0.0000, 0.0000, 0.0000



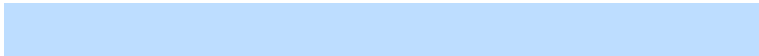
20.3446, 21.4041, 23.3091

Same Dimension

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



59.6189, 63.8864, 90.8514



64.7071, 69.4909, 104.6104



54.0579, 52.4486, 88.9368



15.5244, 16.4829, 20.0849



12.1224, 10.4691, 46.5097



1.1076, 1.0692, 3.9022

Inverse Universe

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



65.2522, 58.6464, 70.1710



72.3681, 62.7243, 76.4051



75.1420, 83.5222, 59.1762



16.0894, 15.8855, 18.0269



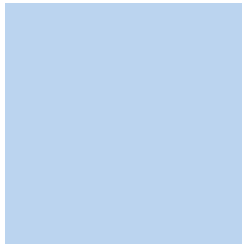
21.4445, 10.8502, 10.2570



1.8340, 0.9226, 1.1167

Previews

White Background



This preview shows how the XYZ color 59.6170, 63.8838, 90.8500 looks on a white background.

Color Contrast Check

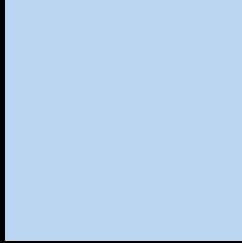
Large Text (above 18pt) WCAG AA × Fail

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 59.6170, 63.8838, 90.8500 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

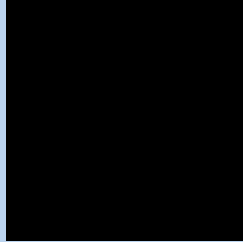
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

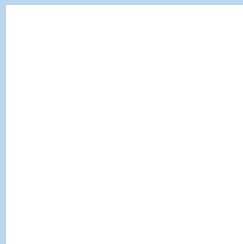
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 59.6170, 63.8838, 90.8500

Background



This preview shows how black text looks on a background with the XYZ color 59.6170, 63.8838, 90.8500.



This preview shows how white text looks on a background with the XYZ color 59.6170, 63.8838,

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

59.6170, 63.8838, 90.8500

Protanopia

62.3550, 63.5191, 88.3308

Deuteranopia

65.2016, 63.8327, 92.1035



Tritanopia

58.0848, 63.6160, 84.0806

Trichromacy



Original Color

59.6170, 63.8838, 90.8500

Protanomaly

61.3752, 63.7211, 89.1853

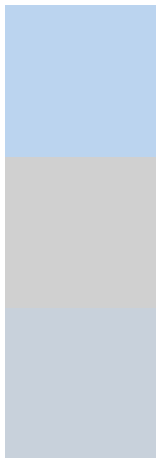
Deuteranomaly

62.9428, 63.7543, 91.4264

Tritanomaly

58.7519, 63.9108, 86.3303

Monochromacy



Original Color

59.6170, 63.8838, 90.8500

Achromatopsia

59.9535, 63.0757, 68.6895

Achromatomaly

59.4061, 62.9948, 76.0460

CSS Examples

Text

The CSS property to change the color of the text to XYZ 59.6170, 63.8838, 90.8500 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(187, 212, 239)` looks like.

```
.text, #text, p{  
    color:rgb(187, 212, 239)  
}
```

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(187, 212, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 212, 239) }
```

Border

The CSS property to change the border of an element to XYZ 59.6170, 63.8838, 90.8500 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(187, 212, 239) }
```


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

```
.border{ border-color:rgb(187, 212, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 212, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 212, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 212, 239);  
box-shadow:4px 4px 4px 4px rgb(187, 212,  
239) }
```

Background

The CSS property to change the background color of an element to XYZ 59.6170, 63.8838, 90.8500 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 212, 239) }
```

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

```
.background{ background-color: rgb(187,  
212, 239) }
```

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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