

# Converting Colors

XYZ(55.1994, 60.0121, 83.7947)

Have a look what the booklet for  
XYZ(55.1994, 60.0121, 83.7947)  
contains.

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# Color

**XYZ(55.1862, 59.9225,  
83.5205)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B3CFE6
RGB	179, 207, 230
RGB Percent	70%, 81%, 90%
CMY	0.2980, 0.1882, 0.0980
CMYK	0.22, 0.10, 0.00, 0.10
HSL	207°, 50%, 80%
HSV	207°, 22%, 90%
XYZ	55.1862, 59.9225, 83.5205
YIQ	201.2500, -24.0710, 1.2170

# Conversions

## Conversions Part 2

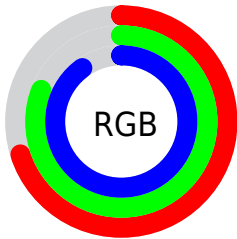
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	179, 197, 230
Decimal	11784166
CIE <sub>Lab</sub>	81.80, -4.41, -14.47
CIE <sub>LCh</sub>	82, 15.123, 253.051
Yxy	59.9225, 0.2778, 0.3017
Android (android.graphics.Color)	4289974246 (0xFFB3CFE6)
YUV	201.2500, 14.1738, -19.5132
Hunter-Lab	77.4096, -8.2122, -9.7837

# Details

The XYZ color **55.1862, 59.9225, 83.5205** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **61.8911, 62.3191, 51.4162**, and the grayscale version is **55.5994, 58.4949, 63.7009**.

A 20% lighter version of the original color is **88.0709, 96.4022, 108.5734**, and **27.4887, 30.1984, 44.4245** is the 20% darker color. If you saturate the color by 10%, you get **47.8768, 52.5472, 82.4832**, and if you desaturate by 10%, it is **63.5509, 68.0899, 84.6571**.

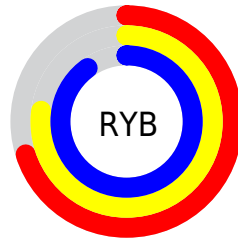
# Distribution



Red (70%)

Green (81%)

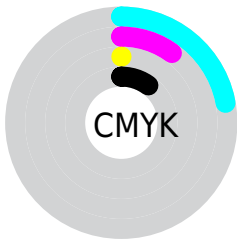
Blue (90%)



Red (70%)

Yellow (77%)

Blue (90%)

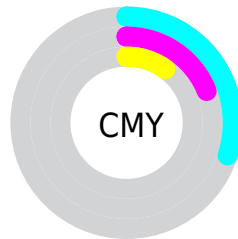


Cyan (22%)

Magenta (10%)

Yellow (0%)

Black (10%)



Cyan (30%)

Magenta (19%)

Yellow (10%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 55.1862, 59.9225, 83.5205 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 55.1862, 59.9225, 83.5205 by changing the saturation by 10% instead.



■ 55.1862, 59.9225,  
83.5205

■ 55.1862, 59.9225,  
83.5205

396.7423,  
424.3121, 526.7359

■ 39.7853, 43.3562,  
62.0765

■ 96.9604, 104.7172,  
140.1600

■ 27.5546, 30.1647,  
44.6584

124.0645,  
133.7144, 176.1926

■ 18.1289, 19.9636,  
30.8474

155.8002,  
167.6240, 217.9251

■ 11.1428, 12.3686,  
20.2252

192.5330,  
206.8305, 265.7761

■ 6.2310, 6.9952,  
12.3731

234.6283,  
251.7181, 320.1642

■ 3.0280, 3.4591,  
6.8727

282.4514,

■ 1.1686, 1.3759,

302.6713, 381.5078

3.3054

336.3676,  
360.0745, 450.2255

■ 0.0814, 0.1988,  
1.2526

■ 0.0000, 0.0000,  
0.0225

■ 55.1862, 59.9225,  
83.5205

■ 55.1862, 59.9225,  
83.5205

■ 47.8768, 52.5472,  
82.4832

■ 63.5509, 68.0899,  
84.6571

■ 41.5703, 45.9278,  
81.5379

■ 73.0094, 77.0693,  
85.8918

■ 36.2174, 40.0356,  
80.6827

■ 83.6049, 86.8888,  
87.2287

■ 31.7625, 34.8369,  
79.9140

■ 89.2416, 94.4103,  
88.3834

■ 28.1432, 30.2945,  
79.2280

■ 91.2831, 98.4932,  
89.0639

■ 25.2885, 26.3665,  
78.6203

■ 23.1134, 23.0035,  
78.0858

■ 21.7804, 20.7078,  
77.7130

# Harmonies

## Analogous

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



52.5916, 59.9225, 77.9786



55.1862, 59.9225, 83.5205



58.3501, 59.9225, 83.8853

# Triad

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



55.1862, 59.9225, 83.5205



63.1372, 59.9225, 61.3607



52.8716, 59.9225, 53.2392

# Complementary

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



55.1862, 59.9225, 83.5205



61.8911, 62.3191, 51.4162

# 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.



55.5814, 59.9225, 49.5940



55.1862, 59.9225, 83.5205



61.5524, 59.9225, 53.9798

# Square

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



55.1862, 59.9225, 83.5205



63.0217, 59.9225, 70.4981



58.7603, 59.9225, 49.8519



51.2898, 59.9225, 60.2603



# Rectangle

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



55.1862, 59.9225, 83.5205



60.3636, 59.9225, 81.0942



58.7603, 59.9225, 49.8519



53.6763, 59.9225, 51.6091

# Sweetspot

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



55.1880, 59.9249, 83.5219



86.2709, 91.7417, 107.7687



57.5433, 70.4404, 66.4110



18.3105, 19.4893, 23.0467



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

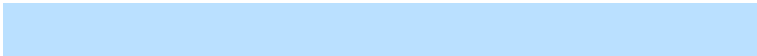


# Same Dimension

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



55.1880, 59.9249, 83.5219



64.9791, 70.9638, 104.8804



49.5107, 48.5703, 81.6294



14.2355, 15.1924, 18.3265



12.4545, 11.9712, 44.0374



1.0128, 1.0696, 3.2850



# Inverse Universe

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



60.0172, 53.5698, 66.2109



72.2787, 61.8203, 78.6104



68.3633, 75.2635, 53.5735



14.7065, 14.4998, 16.6546



20.6800, 10.4062, 12.4757

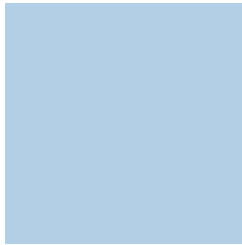


1.5749, 0.7877, 1.1678



# Previews

## White Background



This preview shows how the XYZ color 55.1862, 59.9225, 83.5205 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

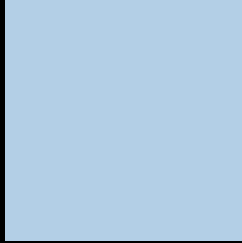
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 55.1862, 59.9225, 83.5205 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

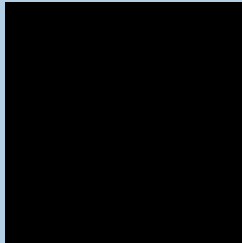
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

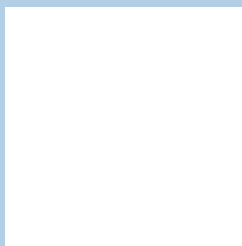
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 55.1862, 59.9225, 83.5205**

## **Background**



This preview shows how black text looks on a background with the XYZ color 55.1862, 59.9225, 83.5205.



This preview shows how white text looks on a background with the XYZ color 55.1862, 59.9225,



# 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

55.1862, 59.9225, 83.5205

### Protanopia

58.6674, 60.0114, 80.4428

### Deuteranopia

61.0541, 59.7697, 84.6627



## Tritanopia

54.3705, 59.9585, 79.2285

# Trichromacy



## Original Color

55.1862, 59.9225, 83.5205

## Protanomaly

57.1962, 59.9383, 81.2277

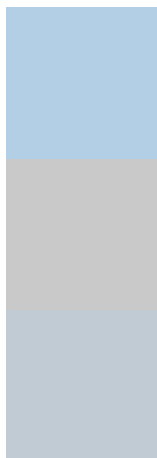
## Deuteranomaly

58.5992, 59.5486, 84.0068

## Tritanomaly

54.6434, 60.0677, 80.6657

# Monochromacy



## Original Color

55.1862, 59.9225, 83.5205

## Achromatopsia

55.5167, 58.4078, 63.6061

## Achromatomaly

55.2319, 58.8028, 70.7264

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 55.1862, 59.9225, 83.5205 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(179, 207, 230)` looks like.

```
.text, #text, p{  
    color:rgb(179, 207, 230)  
}
```

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(179, 207, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 207, 230) }
```

## Border

The CSS property to change the border of an element to XYZ 55.1862, 59.9225, 83.5205 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(179, 207, 230) }
```



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

```
.border{ border-color:rgb(179, 207, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 207, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 207, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 207, 230);  
box-shadow:4px 4px 4px 4px rgb(179, 207,  
230) }
```

# Background

The CSS property to change the background color of an element to XYZ 55.1862, 59.9225, 83.5205 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 207, 230) }
```

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

```
.background{ background-color: rgb(179,  
207, 230) }
```

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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