

# Converting Colors

XYZ(61.8544, 69.2649, 84.6047)

Have a look what the booklet for  
XYZ(61.8544, 69.2649, 84.6047)  
contains.

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# Color

**XYZ(61.9058, 69.4357,  
85.0026)**

# Conversions

## Conversions Part 1

Format	Color
Hex	<b>BEDFE6</b>
RGB	190, 223, 230
RGB Percent	75%, 87%, 90%
CMY	0.2549, 0.1255, 0.0980
CMYK	0.17, 0.03, 0.00, 0.10
HSL	190°, 44%, 82%
HSV	190°, 17%, 90%
XYZ	61.9058, 69.4357, 85.0026
YIQ	213.9310, -21.9150, -4.8190

# Conversions

## Conversions Part 2

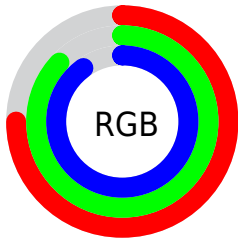
Format	Color
R <sub>YB</sub>	190, 208, 230
Decimal	12509158
CIE <sub>Lab</sub>	86.72, -9.34, -7.05
CIE <sub>LCh</sub>	87, 11.708, 217.052
Y <sub>xy</sub>	69.4357, 0.2861, 0.3210
Android (android.graphics.Color)	4290699238 (0xFFBEDFE6)
Y <sub>UV</sub>	213.9310, 7.9220, -20.9875
Hunter-Lab	83.3281, -13.2136, -2.1518

# Details

The XYZ color **61.9058, 69.4357, 85.0026** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **61.8942, 60.4731, 57.1267**, and the grayscale version is **63.8307, 67.1549, 73.1317**.

A 20% lighter version of the original color is **92.1678, 98.5142, 108.7651**, and **31.8938, 36.3346, 45.8897** is the 20% darker color. If you saturate the color by 10%, you get **55.5466, 64.5823, 84.4021**, and if you desaturate by 10%, it is **69.2011, 74.8132, 85.6572**.

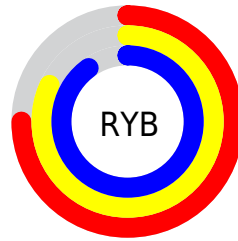
# Distribution



Red (75%)

Green (87%)

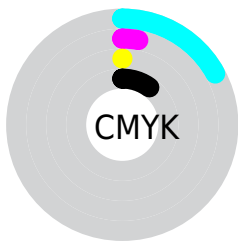
Blue (90%)



Red (75%)

Yellow (82%)

Blue (90%)

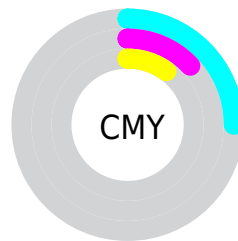


Cyan (17%)

Magenta (3%)

Yellow (0%)

Black (10%)



Cyan (25%)

Magenta (13%)

Yellow (10%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 61.9058, 69.4357, 85.0026 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 61.9058, 69.4357, 85.0026 by changing the saturation by 10% instead.



61.9058, 69.4357,  
85.0026

61.9058, 69.4357,  
85.0026

421.3104,  
458.5662, 531.7815

45.2119, 51.0666,  
63.2934

106.6801,  
118.4037, 142.2510

31.8264, 36.2616,  
45.6361

135.4912,  
149.7714, 178.6273

21.3838, 24.6363,  
31.6121

169.0720,  
186.2407, 220.7296

13.5189, 15.8063,  
20.8031

207.7880,  
228.1961, 268.9766

7.8663, 9.3872,  
12.7903

252.0045,  
276.0220, 323.7867

4.0606, 4.9946,  
7.1553

302.0868,

1.7365, 2.2441,

330.1027, 385.5785

3.4795

358.4004,  
390.8226, 454.7706

■ 0.4789, 0.7439,  
1.3444

■ 0.0000, 0.0000,  
0.0977

■ 61.9058, 69.4357,  
85.0026

■ 61.9058, 69.4357,  
85.0026

■ 55.5466, 64.5823,  
84.4021

■ 69.2011, 74.8132,  
85.6572

■ 50.0749, 60.2223,  
83.8489

■ 77.4663, 80.7271,  
86.3630

■ 45.4466, 56.3345,  
83.3424

■ 85.2528, 86.4326,  
87.0539

■ 41.6117, 52.8928,  
82.8802

■ 86.4183, 88.7636,  
87.4424

■ 38.5145, 49.8683,  
82.4597

■ 87.6100, 91.1470,  
87.8397

■ 36.0918, 47.2281,  
82.0778

■ 88.8281, 93.5831,  
88.2457

■ 34.2695, 44.9338,  
81.7310

■ 90.0727, 96.0724,  
88.6606

■ 32.9495, 42.9345,  
81.4146

■ 91.2831, 98.4933,  
89.0640

■ 32.6466, 42.4401,  
81.3352

# Harmonies

## Analogous

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



60.9359, 69.4357, 77.4594



61.9058, 69.4357, 85.0026



63.9763, 69.4357, 90.2683

# Triad

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



61.9058, 69.4357, 85.0026



70.9359, 69.4357, 81.6017



65.3559, 69.4357, 61.6783

# Complementary

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



61.9058, 69.4357, 85.0026



61.8942, 60.4731, 57.1267

# 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.



68.0589, 69.4357, 62.6200



61.9058, 69.4357, 85.0026



71.3299, 69.4357, 73.7778

# Square

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



61.9058, 69.4357, 85.0026



69.2016, 69.4357, 88.2125



70.2637, 69.4357, 66.9245



62.8920, 69.4357, 64.2575



# Rectangle

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



61.9058, 69.4357, 85.0026



65.7277, 69.4357, 91.5879



70.2637, 69.4357, 66.9245



66.2662, 69.4357, 61.5966

# Sweetspot

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



61.9078, 69.4386, 85.0042



89.8064, 96.2468, 108.4519



59.5731, 71.5580, 63.2968



19.0699, 20.4909, 23.2000



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

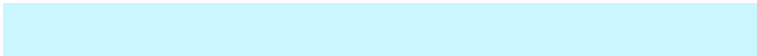


# Same Dimension

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



61.9078, 69.4386, 85.0042



75.1027, 85.3883, 107.1310



56.9541, 59.5311, 83.3529



14.5817, 15.8848, 18.4419



18.5629, 24.1879, 46.0735



1.4283, 1.9005, 3.4235



# Inverse Universe

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



64.3675, 58.9791, 77.8069



78.8099, 69.8747, 96.2270



66.6556, 69.9960, 58.7139



14.8812, 14.5697, 17.5749



23.7632, 11.6395, 28.7117

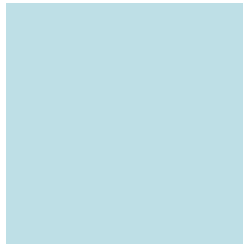


1.7846, 0.8715, 2.2721



# Previews

## White Background



This preview shows how the XYZ color 61.9058, 69.4357, 85.0026 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

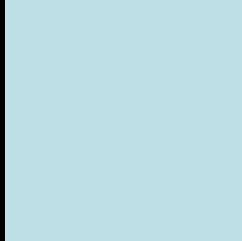
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 61.9058, 69.4357, 85.0026 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

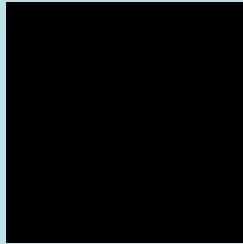
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 61.9058, 69.4357, 85.0026**

## **Background**



This preview shows how black text looks on a background with the XYZ color 61.9058, 69.4357, 85.0026.



This preview shows how white text looks on a background with the XYZ color 61.9058, 69.4357,



# 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

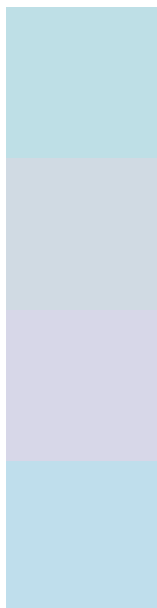




## Tritanopia

63.4395, 69.6810, 91.7675

# Trichromacy



## Original Color

61.9058, 69.4357, 85.0026

## Protanomaly

64.9490, 69.0988, 82.5873

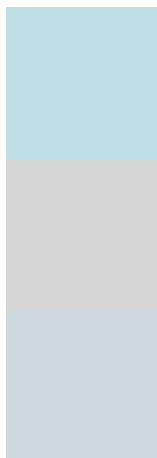
## Deuteranomaly

66.8903, 68.8741, 86.1125

## Tritanomaly

62.7475, 69.3750, 89.4405

# Monochromacy



## Original Color

61.9058, 69.4357, 85.0026

## Achromatopsia

63.9157, 67.2443, 73.2291

## Achromatomaly

62.9080, 67.7722, 77.4759

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 61.9058, 69.4357, 85.0026 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(190, 223, 230)` looks like.

```
.text, #text, p{  
    color:rgb(190, 223, 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(190, 223, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 223, 230) }
```

## Border

The CSS property to change the border of an element to XYZ 61.9058, 69.4357, 85.0026 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(190, 223, 230) }
```



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

```
.border{ border-color:rgb(190, 223, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 223, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 223, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 223, 230);  
box-shadow:4px 4px 4px 4px rgb(190, 223,  
230) }
```

# Background

The CSS property to change the background color of an element to XYZ 61.9058, 69.4357, 85.0026 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 223, 230) }
```

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

```
.background{ background-color: rgb(190,  
223, 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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