

# Converting Colors

XYZ(60.1565, 61.8010, 98.3807)

Have a look what the booklet for  
XYZ(60.1565, 61.8010, 98.3807)  
contains.

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# **Color**

**XYZ(60.1565, 61.8010,  
98.3807)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	BDCEF9
RGB	189, 206, 249
RGB Percent	74%, 81%, 98%
CMY	0.2588, 0.1921, 0.0235
CMYK	0.24, 0.17, 0.00, 0.02
HSL	223°, 83%, 86%
HSV	223°, 24%, 98%
XYZ	60.1565, 61.8010, 98.3807
YIQ	205.8190, -23.9350, 9.7690

# Conversions

## Conversions Part 2

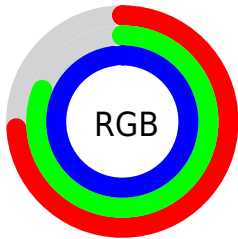
Format	Color
R <sub>Y</sub> B	189, 202, 249
Decimal	12439289
CIE Lab	82.81, 3.40, -22.99
CIE LCh	83, 23.243, 278.402
Yxy	61.8010, 0.2730, 0.2805
Android (android.graphics.Color)	4290629369 (0xFFBDCEF9)
YUV	205.8190, 21.2882, -14.7503
Hunter-Lab	78.6136, -0.9825, -19.1687

# Details

The XYZ color **60.1565, 61.8010, 98.3807** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **77.1097, 81.5276, 59.8182**, and the grayscale version is **58.4313, 61.4742, 66.9455**.

A 20% lighter version of the original color is **91.8160, 98.3328, 108.7487**, and **30.7343, 31.4131, 54.3126** is the 20% darker color. If you saturate the color by 10%, you get **50.4476, 50.7779, 96.7658**, and if you desaturate by 10%, it is **71.4174, 74.3512, 100.2107**.

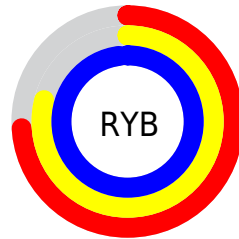
# Distribution



Red (74%)

Green (81%)

Blue (98%)



Red (74%)

Yellow (79%)

Blue (98%)

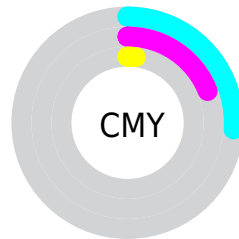


Cyan (24%)

Magenta (17%)

Yellow (0%)

Black (2%)



Cyan (26%)

Magenta (19%)

Yellow (2%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 60.1565, 61.8010, 98.3807 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 60.1565, 61.8010, 98.3807 by changing the saturation by 10% instead.



■ 60.1565, 61.8010,  
98.3807

■ 60.1565, 61.8010,  
98.3807

414.9999,  
431.2048, 576.1907

■ 43.7947, 44.8719,  
74.3396

■ 104.1617,  
107.4379, 160.9625

■ 30.7064, 31.3566,  
54.5735

132.5359,  
136.9144, 200.3403

■ 20.5261, 20.8705,  
38.6641

165.6449,  
171.3423, 245.6673

■ 12.8885, 13.0294,  
26.1927

203.8541,  
211.1059, 297.3622

■ 7.4283, 7.4488,  
16.7408

247.5288,  
256.5895, 355.8434

■ 3.7801, 3.7443,  
9.8899

297.0344,

■ 1.5785, 1.5316,

308.1776, 421.5296

5.2213

352.7364,  
366.2546, 494.8392

■ 0.3783, 0.3108,  
2.3167

■ 0.0000, 0.0000,  
0.7406

■ 60.1565, 61.8010,  
98.3807

■ 60.1565, 61.8010,  
98.3807

■ 50.4476, 50.7779,  
96.7658

■ 71.4174, 74.3512,  
100.2107

■ 42.2144, 41.2139,  
95.3537

■ 84.2902, 88.4779,  
102.2589

■ 35.3828, 33.0470,  
94.1374

■ 94.0991, 99.6196,  
103.8925

■ 29.8696, 26.2073,  
93.1078

■ 25.5822, 20.6184,  
92.2550

■ 22.4147, 16.1947,  
91.5680

■ 20.2406, 12.8374,  
91.0346

■ 19.3242, 11.2899,  
90.7842

# Harmonies

## Analogous

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



55.2707, 61.8010, 96.2856



60.1565, 61.8010, 98.3807



64.9187, 61.8010, 91.2651

# Triad

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



60.1565, 61.8010, 98.3807



66.6035, 61.8010, 51.5910



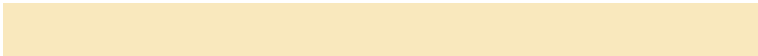
50.2442, 61.8010, 57.6533

# Complementary

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



60.1565, 61.8010, 98.3807



77.1097, 81.5276, 59.8182

# 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.



52.9663, 61.8010, 47.9321



60.1565, 61.8010, 98.3807



62.3515, 61.8010, 44.7932

# Square

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



60.1565, 61.8010, 98.3807



68.7767, 61.8010, 63.3459



57.3459, 61.8010, 43.5560



49.7306, 61.8010, 71.3961



# Rectangle

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



60.1565, 61.8010, 98.3807



67.3180, 61.8010, 82.7779



57.3459, 61.8010, 43.5560



50.9235, 61.8010, 53.8668

# Sweetspot

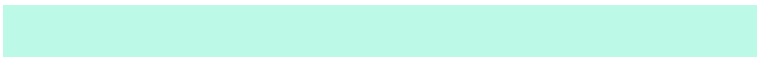
The Sweet Spot groups the original color and five complimentary colors.



60.1584, 61.8035, 98.3821



84.8392, 88.8785, 107.2915



69.2872, 84.3410, 88.2303



17.9793, 18.8269, 22.9363



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.



60.1584, 61.8035, 98.3821



58.2394, 59.2929, 102.9829



59.3855, 55.6541, 97.2359



16.6835, 17.4438, 21.8730



10.4474, 6.2504, 48.6294



1.0535, 0.7507, 4.5325



# Inverse Universe

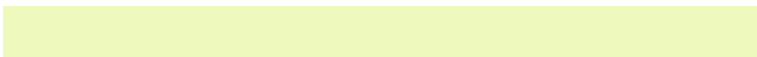
The Inverse Universe completely reimagines the original color for something new.



68.4067, 60.9930, 66.5626



68.4352, 58.5926, 63.5824



77.9873, 89.4312, 61.2975



17.4468, 17.3061, 18.9425



21.5654, 11.0419, 4.4198



2.0407, 1.0400, 0.6376



# Previews

## White Background



This preview shows how the XYZ color 60.1565, 61.8010, 98.3807 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

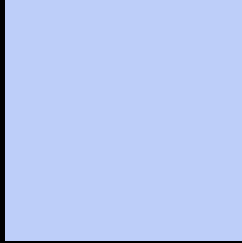
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 60.1565, 61.8010, 98.3807 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

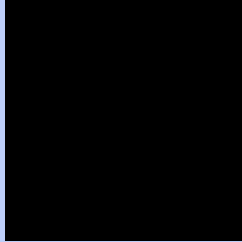
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 60.1565, 61.8010, 98.3807

## Background



This preview shows how black text looks on a background with the XYZ color 60.1565, 61.8010, 98.3807.



This preview shows how white text looks on a background with the XYZ color 60.1565, 61.8010,



# 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

60.1565, 61.8010, 98.3807

### Protanopia

61.3011, 61.6988, 97.4851

### Deuteranopia

63.0438, 61.5128, 98.9929



## Tritanopia

56.9193, 61.9535, 81.6313

# Trichromacy



## Original Color

60.1565, 61.8010, 98.3807

## Protanomaly

60.7669, 61.7774, 97.5284

## Deuteranomaly

62.1644, 61.7561, 99.0862

## Tritanomaly

58.0456, 62.0382, 87.5125

# Monochromacy



## Original Color

60.1565, 61.8010, 98.3807

## Achromatopsia

58.6655, 61.7207, 67.2138

## Achromatomaly

59.0755, 61.6959, 77.9021

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 60.1565, 61.8010, 98.3807 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(189, 206, 249)` looks like.

```
.text, #text, p{  
    color:rgb(189, 206, 249)  
}
```

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(189, 206, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 206, 249) }
```

## Border

The CSS property to change the border of an element to XYZ 60.1565, 61.8010, 98.3807 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(189, 206, 249) }
```



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

```
.border{ border-color:rgb(189, 206, 249) }
```

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

Here you see how a box with a 4 pixel rgb(189, 206, 249) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 206, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 206, 249);  
box-shadow:4px 4px 4px 4px rgb(189, 206,  
249) }
```

# Background

The CSS property to change the background color of an element to XYZ 60.1565, 61.8010, 98.3807 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 206, 249) }
```

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

```
.background{ background-color: rgb(189,  
206, 249) }
```

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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