

# Converting Colors

XYZ(60.8571, 61.0760, 83.4443)

Have a look what the booklet for  
XYZ(60.8571, 61.0760, 83.4443)  
contains.

<b>XYZ(60.8571, 61.0760, 83.4443)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	12
<i><b>Previews</b></i> .....	24
<i><b>Color Blindness Simulation</b></i> .....	28
<i><b>CSS Examples</b></i> .....	31

# Color

**XYZ(60.8571, 61.0760,  
83.4443)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	CECAE6
RGB	206, 202, 230
RGB Percent	81%, 79%, 90%
CMY	0.1921, 0.2078, 0.0980
CMYK	0.10, 0.12, 0.00, 0.10
HSL	249°, 36%, 85%
HSV	249°, 12%, 90%
XYZ	60.8571, 61.0760, 83.4443
YIQ	206.3880, -6.6040, 9.5560

# Conversions

## Conversions Part 2

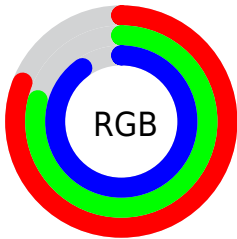
Format	Color
R <sub>Y</sub> B	206, 202, 230
Decimal	13552358
CIE Lab	82.42, 6.73, -13.34
CIE LCh	82, 14.937, 296.773
Yxy	61.0760, 0.2963, 0.2974
Android (android.graphics.Color)	4291742438 (0xFFCECAE6)
YUV	206.3880, 11.6407, -0.3403
Hunter-Lab	78.1511, 2.2353, -8.5999

# Details

The XYZ color **60.8571, 61.0760, 83.4443** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **70.3236, 77.0282, 67.0414**, and the grayscale version is **58.8471, 61.9117, 67.4218**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **31.1788, 30.9112, 44.3676** is the 20% darker color. If you saturate the color by 10%, you get **50.7234, 48.4302, 81.5385**, and if you desaturate by 10%, it is **72.4853, 75.6894, 85.6531**.

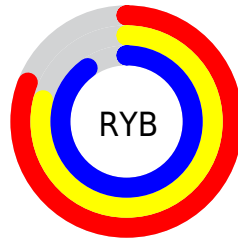
# Distribution



Red (81%)

Green (79%)

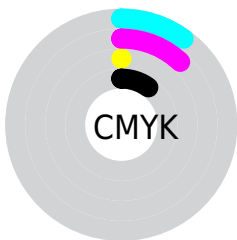
Blue (90%)



Red (81%)

Yellow (79%)

Blue (90%)

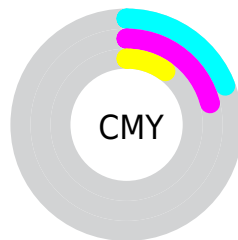


Cyan (10%)

Magenta (12%)

Yellow (0%)

Black (10%)



Cyan (19%)

Magenta (21%)

Yellow (10%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 60.8571, 61.0760, 83.4443 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 60.8571, 61.0760, 83.4443 by changing the saturation by 10% instead.



■ 60.8571, 61.0760,  
83.4443

■ 60.8571, 61.0760,  
83.4443

417.5341,  
428.5526, 526.4758

■ 44.3620, 44.2865,  
62.0140

105.1713,  
106.3890, 140.0524

■ 31.1543, 30.8958,  
44.6082

133.7210,  
135.6812, 176.0672

■ 20.8688, 20.5195,  
30.8082

167.0197,  
169.9099, 217.7807

■ 13.1400, 12.7732,  
20.1956

205.4326,  
209.4593, 265.6112

■ 7.6027, 7.2726,  
12.3518

249.3252,  
254.7139, 319.9775

■ 3.8914, 3.6332,  
6.8583

299.0627,

■ 1.6409, 1.4705,

306.0580, 381.2980

3.2965

355.0106,  
363.8761, 449.9913

■ 0.4188, 0.2679,  
1.2480

■ 0.0000, 0.0000,  
0.0186

■ 60.8571, 61.0760,  
83.4443

■ 60.8571, 61.0760,  
83.4443

■ 50.7234, 48.4302,  
81.5385

■ 72.4853, 75.6894,  
85.6531

■ 42.0180, 37.6604,  
79.9185

■ 85.6598, 92.3416,  
88.1729

■ 34.6778, 28.6790,  
78.5718

■ 91.2831, 98.4932,  
89.0639

■ 28.6325, 21.3886,  
77.4832

■ 23.8060, 15.6823,  
76.6362

■ 20.1135, 11.4409,  
76.0121

■ 17.4594, 8.5280,  
75.5898

■ 15.7314, 6.7811,  
75.3437

■ 14.9053, 6.0340,  
75.2430

# Harmonies

## Analogous

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



57.7064, 61.0760, 85.6207



60.8571, 61.0760, 83.4443



63.3328, 61.0760, 76.5957

# Triad

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



60.8571, 61.0760, 83.4443



61.4761, 61.0760, 52.8665



52.1415, 61.0760, 65.5178

# Complementary

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



60.8571, 61.0760, 83.4443



70.3236, 77.0282, 67.0414

# 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.



53.0712, 61.0760, 57.3354



60.8571, 61.0760, 83.4443



58.3967, 61.0760, 50.4639

# Square

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



60.8571, 61.0760, 83.4443



63.6993, 61.0760, 58.9003



55.3323, 61.0760, 52.0227



52.7467, 61.0760, 74.7298



# Rectangle

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



60.8571, 61.0760, 83.4443



64.2270, 61.0760, 70.6009



55.3323, 61.0760, 52.0227



52.2840, 61.0760, 62.5637

# Sweetspot

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



60.8589, 61.0786, 83.4457



88.7380, 92.0431, 107.6968



65.9109, 72.8093, 85.4436



18.7471, 19.3907, 23.0046



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.



60.8589, 61.0786, 83.4457



72.9876, 72.2800, 104.7123



64.8400, 63.1309, 83.6320



13.7733, 13.9854, 18.1178



8.4992, 3.4474, 42.6006



0.6887, 0.2860, 3.1509



# Inverse Universe

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



67.4831, 64.5576, 80.8583



83.1714, 77.6301, 100.6638



66.1877, 74.8961, 66.8479



14.9020, 14.5780, 17.6841



24.2258, 11.8245, 31.1476



1.8146, 0.8835, 2.4300



# Previews

## White Background



This preview shows how the XYZ color 60.8571, 61.0760, 83.4443 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

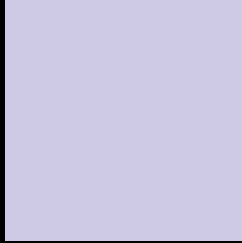
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 60.8571, 61.0760, 83.4443 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

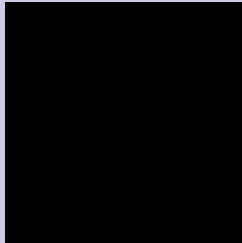
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 60.8571, 61.0760, 83.4443**

## **Background**



This preview shows how black text looks on a background with the XYZ color 60.8571, 61.0760, 83.4443.



This preview shows how white text looks on a background with the XYZ color 60.8571, 61.0760,



# 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

60.8571, 61.0760, 83.4443

### Protanopia

59.8671, 60.8989, 84.2006

### Deuteranopia

62.3778, 61.1679, 83.3818



## Tritanopia

59.4130, 61.1904, 76.3897

# Trichromacy



## Original Color

60.8571, 61.0760, 83.4443

## Protanomaly

60.4083, 61.1779, 84.2260

## Deuteranomaly

61.7479, 61.1881, 83.4189

## Tritanomaly

59.9873, 61.0728, 79.1476

# Monochromacy



## Original Color

60.8571, 61.0760, 83.4443

## Achromatopsia

58.6655, 61.7207, 67.2138

## Achromatomaly

59.5507, 61.6908, 73.0588

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 60.8571, 61.0760, 83.4443 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(206, 202, 230) looks like.

```
.text, #text, p{  
    color:rgb(206, 202, 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(206, 202, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 202, 230) }
```

## Border

The CSS property to change the border of an element to XYZ 60.8571, 61.0760, 83.4443 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(206, 202, 230) }
```



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

```
.border{ border-color:rgb(206, 202, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 202, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 202, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 202, 230);  
box-shadow:4px 4px 4px 4px rgb(206, 202,  
230) }
```

# Background

The CSS property to change the background color of an element to XYZ 60.8571, 61.0760, 83.4443 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 202, 230) }
```

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

```
.background{ background-color: rgb(206,  
202, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor