

# Converting Colors

XYZ(61.6989, 58.3601,  
102.6205)

Have a look what the booklet for  
XYZ(61.6989, 58.3601, 102.6205)  
contains.

<b>XYZ(61.6989, 58.3601, 102.6205)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(61.6989, 58.3601,  
102.6205)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CAC2FF
RGB	202, 194, 255
RGB Percent	79%, 76%, 100%
CMY	0.2078, 0.2392, 0.0000
CMYK	0.21, 0.24, 0.00, 0.00
HSL	248°, 100%, 88%
HSV	248°, 24%, 100%
XYZ	61.6989, 58.3601, 102.6205
YIQ	203.3460, -14.8130, 20.6670

# Conversions

## Conversions Part 2

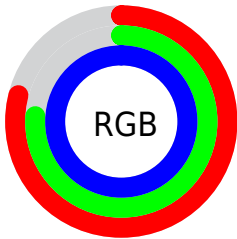
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	202, 194, 255
Decimal	13288191
CIE Lab	80.94, 15.09, -28.95
CIE LCh	81, 32.650, 297.527
Yxy	58.3601, 0.2771, 0.2621
Android (android.graphics.Color)	4291478271 (0xFFCAC2FF)
YUV	203.3460, 25.4654, -1.1804
Hunter-Lab	76.3938, 10.4751, -26.1692

# Details

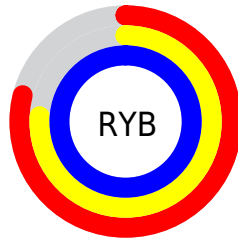
The XYZ color **61.6989, 58.3601, 102.6205** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **83.8563, 95.1896, 64.9951**, and the grayscale version is **56.8352, 59.7950, 65.1168**.

A 20% lighter version of the original color is **93.4756, 96.8512, 108.3752**, and **31.6037, 29.0364, 57.3650** is the 20% darker color. If you saturate the color by 10%, you get **50.9326, 45.0967, 100.6278**, and if you desaturate by 10%, it is **74.3030, 74.0192, 104.9787**.

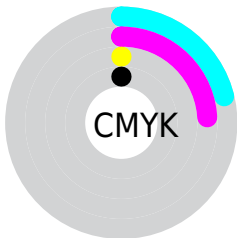
# Distribution



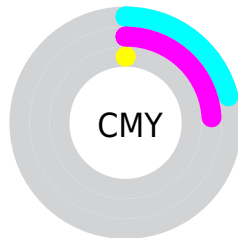
- Red (79%)
- Green (76%)
- Blue (100%)



- Red (79%)
- Yellow (76%)
- Blue (100%)



- Cyan (21%)
- Magenta (24%)
- Yellow (0%)
- Black (0%)



- Cyan (21%)
- Magenta (24%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 61.6989, 58.3601, 102.6205 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 61.6989, 58.3601, 102.6205 by changing the saturation by 10% instead.



61.6989, 58.3601,  
102.6205

61.6989, 58.3601,  
102.6205

420.5670,  
418.5264, 589.8802

45.0441, 42.0982,  
77.8618

106.3826,  
102.4471, 166.8369

31.6936, 29.1782,  
57.4447

135.1423,  
131.0409, 207.1317

21.2820, 19.2157,  
40.9506

168.6677,  
164.5142, 253.4422

13.4439, 11.8262,  
27.9611

207.3240,  
203.2514, 306.1870

7.8140, 6.6255,  
18.0575

251.4768,  
247.6368, 365.7847

4.0270, 3.2290,  
10.8214

301.4913,

1.7174, 1.2524,

298.0549, 432.6538

5.8342

357.7329,  
354.8899, 507.2128

■ 0.4671, 0.1039,  
2.6774

■ 0.0000, 0.0000,  
0.9320

■ 61.6989, 58.3601,  
102.6205

■ 61.6989, 58.3601,  
102.6205

■ 50.9326, 45.0967,  
100.6278

■ 74.3030, 74.0192,  
104.9787

■ 41.9129, 34.1039,  
98.9814

■ 88.8203, 92.1772,  
107.7184

■ 34.5481, 25.2557,  
97.6617

95.0500, 100.0000,  
108.9000

■ 28.7364, 18.4109,  
96.6468

■ 24.3641, 13.4111,  
95.9122

■ 21.3020, 10.0738,  
95.4294

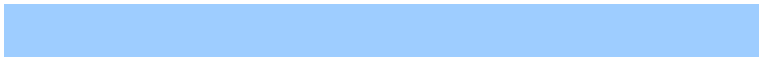
■ 19.3962, 8.1783,  
95.1640

■ 18.6913, 7.5506,  
95.0800

# Harmonies

## Analogous

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



54.9103, 58.3601, 108.4842



61.6989, 58.3601, 102.6205



67.1788, 58.3601, 85.7093

# Triad

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



61.6989, 58.3601, 102.6205



62.7481, 58.3601, 37.0198



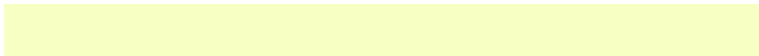
43.4661, 58.3601, 61.9509

# Complementary

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



61.6989, 58.3601, 102.6205



83.8563, 95.1896, 64.9951

# 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.



45.2066, 58.3601, 45.5735



61.6989, 58.3601, 102.6205



56.0325, 58.3601, 33.1274

# Square

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



61.6989, 58.3601, 102.6205



67.8183, 58.3601, 47.8400



49.6742, 58.3601, 35.9102



44.7188, 58.3601, 82.3563



# Rectangle

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



61.6989, 58.3601, 102.6205



69.1593, 58.3601, 71.9316



49.6742, 58.3601, 35.9102



43.7171, 58.3601, 55.8356

# Sweetspot

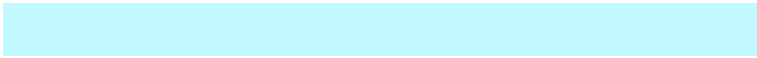
The Sweet Spot groups the original color and five complimentary colors.



61.7006, 58.3624, 102.6208



84.1402, 86.3115, 106.8329



73.8309, 85.7533, 107.2685



17.8178, 18.2343, 22.8304



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.



61.7006, 58.3624, 102.6208



56.0064, 51.3317, 101.5639



70.4976, 62.8974, 103.0325



17.2244, 17.4919, 22.7184



9.8344, 3.9803, 49.6845



1.0230, 0.4213, 4.8407



# Inverse Universe

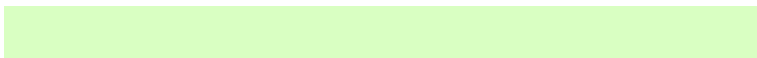
The Inverse Universe completely reimagines the original color for something new.



77.3214, 66.5609, 96.7691



74.3017, 60.9392, 94.4750



74.2282, 90.2262, 64.5446



18.6841, 18.2570, 22.2197



28.4474, 13.8683, 37.3360

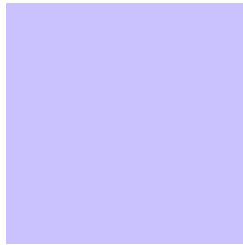


2.7971, 1.3612, 3.7790



# Previews

## White Background



This preview shows how the XYZ color 61.6989, 58.3601, 102.6205 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

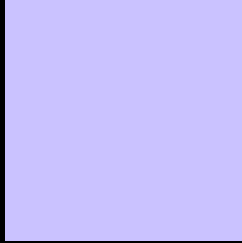
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 61.6989, 58.3601, 102.6205 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 61.6989, 58.3601, 102.6205

## Background



This preview shows how black text looks on a background with the XYZ color 61.6989, 58.3601, 102.6205.



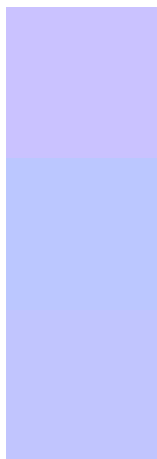
This preview shows how white text looks on a background with the XYZ color 61.6989, 58.3601,



# 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

61.6989, 58.3601, 102.6205

### Protanopia

58.9669, 58.6316, 102.8169

### Deuteranopia

59.8480, 58.4257, 101.8889



## Tritanopia

55.9167, 58.3851, 73.9680

# Trichromacy



## Original Color

61.6989, 58.3601, 102.6205

## Protanomaly

59.7545, 58.3590, 102.7227

## Deuteranomaly

60.3943, 58.3714, 101.8496

## Tritanomaly

57.9066, 58.1635, 83.7760

# Monochromacy



## Original Color

61.6989, 58.3601, 102.6205

## Achromatopsia

56.7640, 59.7202, 65.0353

## Achromatomaly

58.4677, 59.2790, 77.4677

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 61.6989, 58.3601, 102.6205 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(202, 194, 255)` looks like.

```
.text, #text, p{  
    color:rgb(202, 194, 255)  
}
```

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(202, 194, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 194, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 61.6989, 58.3601, 102.6205 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(202, 194, 255) }
```



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

```
.border{ border-color:rgb(202, 194, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 194, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 194, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 194, 255);  
box-shadow:4px 4px 4px 4px rgb(202, 194,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 61.6989, 58.3601, 102.6205 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 194, 255) }
```

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

```
.background{ background-color: rgb(202,  
194, 255) }
```

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