

# Converting Colors

XYZ(72.6644, 59.6876,  
162.7680)

Have a look what the booklet for  
XYZ(72.6644, 59.6876, 162.7680)  
contains.

<b>XYZ(61.1311, 55.1833, 102.0372)</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(61.1311, 55.1833,  
102.0372)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CFB9FF
RGB	207, 185, 255
RGB Percent	81%, 73%, 100%
CMY	0.1882, 0.2745, 0.0000
CMYK	0.19, 0.27, 0.00, 0.00
HSL	259°, 100%, 86%
HSV	259°, 27%, 100%
XYZ	61.1311, 55.1833, 102.0372
YIQ	199.5580, -9.3580, 26.4340

# Conversions

## Conversions Part 2

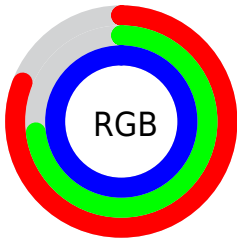
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	207, 185, 255
Decimal	13613567
CIE Lab	79.15, 21.48, -31.67
CIE LCh	79, 38.269, 304.147
Yxy	55.1833, 0.2800, 0.2527
Android (android.graphics.Color)	4291803647 (0xFFCFB9FF)
YUV	199.5580, 27.3329, 6.5266
Hunter-Lab	74.2855, 16.8919, -29.4399

# Details

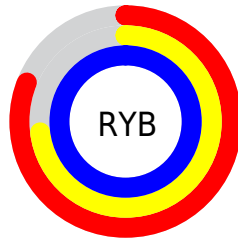
The XYZ color **61.1311, 55.1833, 102.0372** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **78.1221, 92.3468, 59.6085**, and the grayscale version is **54.4711, 57.3078, 62.4082**.

A 20% lighter version of the original color is **90.7453, 91.3906, 107.4651**, and **31.3932, 27.2551, 57.0322** is the 20% darker color. If you saturate the color by 10%, you get **51.6498, 43.0751, 100.1998**, and if you desaturate by 10%, it is **72.1134, 69.4880, 104.2195**.

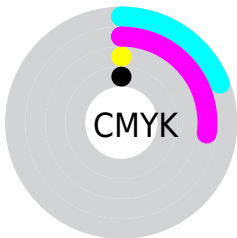
# Distribution



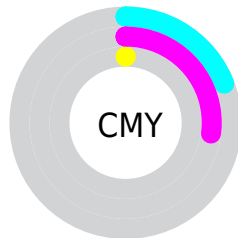
- Red (81%)
- Green (73%)
- Blue (100%)



- Red (81%)
- Yellow (73%)
- Blue (100%)



- Cyan (19%)
- Magenta (27%)
- Yellow (0%)
- Black (0%)



- Cyan (19%)
- Magenta (27%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 61.1311, 55.1833, 102.0372 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 61.1311, 55.1833, 102.0372 by changing the saturation by 10% instead.



61.1311, 55.1833,  
102.0372

61.1311, 55.1833,  
102.0372

418.5228,  
406.6064, 588.0069

44.5839, 39.5485,  
77.3766

105.5658, 97.8095,  
166.0302

31.3297, 27.1867,  
57.0486

134.1840,  
125.5696, 206.1997

21.0031, 17.7135,  
40.6347

167.5566,  
158.1403, 252.3759

13.2387, 10.7445,  
27.7162

206.0489,  
195.9060, 304.9774

7.6713, 5.8953,  
17.8747

250.0263,  
239.2511, 364.4227

3.9354, 2.7815,  
10.6915

299.8542,

1.6656, 1.0188,

288.5599, 431.1304

5.7483

355.8979,  
344.2169, 505.5190

■ 0.4346, 0.0000,  
2.6263

■ 0.0000, 0.0000,  
0.9060

■ 61.1311, 55.1833,  
102.0372

■ 61.1311, 55.1833,  
102.0372

■ 51.6498, 43.0751,  
100.1998

■ 72.1134, 69.4880,  
104.2195

■ 43.5958, 33.0456,  
98.6884

■ 84.6558, 86.0860,  
106.7622

■ 36.8964, 24.9755,  
97.4838

95.0500, 100.0000,  
108.9000

■ 31.4699, 18.7306,  
96.5645

■ 27.2250, 14.1590,  
95.9058

■ 24.0561, 11.0832,  
95.4791

■ 21.8309, 9.2739,  
95.2472

■ 21.3703, 8.9317,  
95.2054

# Harmonies

## Analogous

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



53.5191, 55.1833, 112.5407



61.1311, 55.1833, 102.0372



66.8040, 55.1833, 80.3502

# Triad

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



61.1311, 55.1833, 102.0372



59.1167, 55.1833, 29.6317



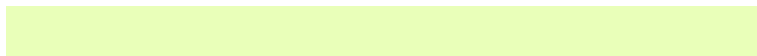
39.1264, 55.1833, 63.1780

# Complementary

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



61.1311, 55.1833, 102.0372



78.1221, 92.3468, 59.6085

# 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.



40.3153, 55.1833, 43.5508



61.1311, 55.1833, 102.0372



51.3953, 55.1833, 27.1464

# Square

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



61.1311, 55.1833, 102.0372



65.5641, 55.1833, 39.4373



44.6324, 55.1833, 31.5708



41.2129, 55.1833, 86.9149



# Rectangle

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



61.1311, 55.1833, 102.0372



68.4541, 55.1833, 64.4759



44.6324, 55.1833, 31.5708



39.1577, 55.1833, 55.8985

# Sweetspot

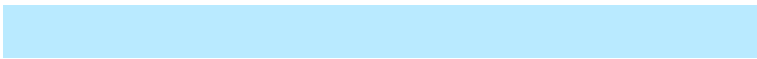
The Sweet Spot groups the original color and five complimentary colors.



61.1327, 55.1855, 102.0376



83.9235, 85.1106, 106.6125



67.4818, 76.3812, 105.7941



17.5402, 17.6547, 22.7332



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.



61.1327, 55.1855, 102.0376



55.6884, 48.1996, 100.9761



71.6758, 60.6206, 102.5310



17.5402, 17.6547, 22.7332



11.3015, 4.7366, 49.7532



1.2075, 0.5164, 4.8493



# Inverse Universe

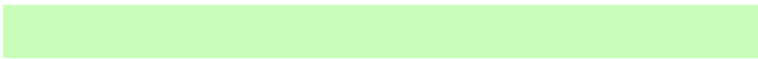
The Inverse Universe completely reimagines the original color for something new.



73.2980, 61.8430, 85.1655



69.8551, 55.9614, 80.9218



68.0715, 87.1655, 59.1382



18.5354, 18.1975, 21.4366



25.6552, 12.7514, 22.6327

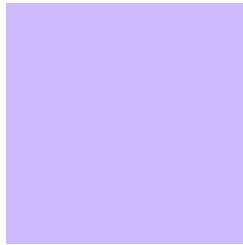


2.5474, 1.2613, 2.4640



# Previews

## White Background



This preview shows how the XYZ color 61.1311, 55.1833, 102.0372 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

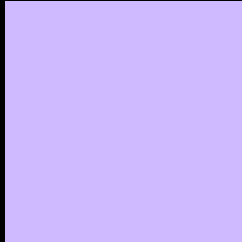
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 61.1311, 55.1833, 102.0372 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

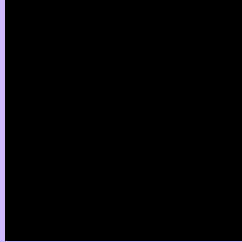
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 61.1311, 55.1833, 102.0372

## Background



This preview shows how black text looks on a background with the XYZ color 61.1311, 55.1833, 102.0372.



This preview shows how white text looks on a background with the XYZ color 61.1311, 55.1833,



# 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

61.1311, 55.1833, 102.0372

### Protanopia

55.9322, 55.3873, 102.3506

### Deuteranopia

56.5668, 55.4221, 100.6447



## Tritanopia

54.3536, 55.3291, 68.1364

# Trichromacy



## Original Color

61.1311, 55.1833, 102.0372

## Protanomaly

57.6671, 55.3004, 102.2424

## Deuteranomaly

58.0411, 55.1891, 101.3594

## Tritanomaly

56.7154, 55.3091, 79.6380

# Monochromacy



## Original Color

61.1311, 55.1833, 102.0372

## Achromatopsia

54.8990, 57.7580, 62.8985

## Achromatomaly

57.0620, 56.8940, 75.6843

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 61.1311, 55.1833, 102.0372 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(207, 185, 255)` looks like.

```
.text, #text, p{  
    color:rgb(207, 185, 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(207, 185, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 185, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 61.1311, 55.1833, 102.0372 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(207, 185, 255) }
```



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

```
.border{ border-color:rgb(207, 185, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(207, 185, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 185, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 185, 255);  
box-shadow:4px 4px 4px 4px rgb(207, 185,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 61.1311, 55.1833, 102.0372 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 185, 255) }
```

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

```
.background{ background-color: rgb(207,  
185, 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](#).

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