

# Converting Colors

XYZ(70.4750, 62.6601,  
117.4198)

Have a look what the booklet for  
XYZ(70.4750, 62.6601, 117.4198)  
contains.

<b>XYZ(67.7732, 61.4915, 102.9048)</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(67.7732, 61.4915,  
102.9048)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DFC2FF
RGB	223, 194, 255
RGB Percent	87%, 76%, 100%
CMY	0.1255, 0.2392, 0.0000
CMYK	0.13, 0.24, 0.00, 0.00
HSL	269°, 100%, 88%
HSV	269°, 24%, 100%
XYZ	67.7732, 61.4915, 102.9048
YIQ	209.6250, -2.2970, 25.1190

# Conversions

## Conversions Part 2

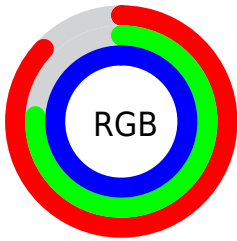
Format	Color
R <sub>Y</sub> B	223, 194, 255
Decimal	14664447
CIE Lab	82.64, 21.51, -26.20
CIE LCh	83, 33.898, 309.390
Yxy	61.4915, 0.2919, 0.2649
Android (android.graphics.Color)	4292854527 (0xFFDFC2FF)
YUV	209.6250, 22.3699, 11.7299
Hunter-Lab	78.4165, 17.0437, -22.9138

# Details

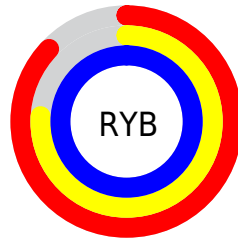
The XYZ color **67.7732, 61.4915, 102.9048** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **76.8629, 91.5844, 64.6681**, and the grayscale version is **60.8736, 64.0437, 69.7436**.

A 20% lighter version of the original color is **93.7872, 97.4744, 108.4791**, and **35.5075, 31.0489, 57.5477** is the 20% darker color. If you saturate the color by 10%, you get **58.6177, 49.0587, 100.9875**, and if you desaturate by 10%, it is **78.2316, 76.0446, 105.1626**.

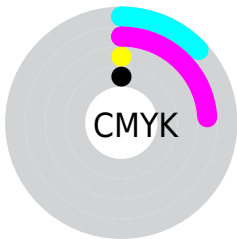
# Distribution



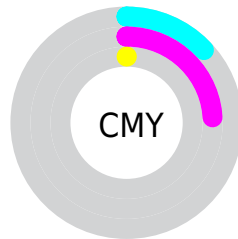
- Red (87%)
- Green (76%)
- Blue (100%)



- Red (87%)
- Yellow (76%)
- Blue (100%)



- Cyan (13%)
- Magenta (24%)
- Yellow (0%)
- Black (0%)



- Cyan (13%)
- Magenta (24%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 67.7732, 61.4915, 102.9048 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 67.7732, 61.4915, 102.9048 by changing the saturation by 10% instead.



67.7732, 61.4915,  
102.9048

67.7732, 61.4915,  
102.9048

442.0814,  
430.0738, 590.7922

49.9862, 44.6219,  
78.0983

115.0713,  
106.9903, 167.2299

35.6202, 31.1598,  
57.6378

145.3132,  
136.3883, 207.5856

24.3098, 20.7205,  
41.1048

180.4374,  
170.7312, 253.9615

15.6896, 12.9199,  
28.0806

220.8094,  
210.4035, 306.7761

9.3942, 7.3734,  
18.1469

266.7944,  
255.7895, 366.4479

5.0583, 3.6967,  
10.8850

318.7578,

2.3166, 1.5054,

307.2736, 433.3955

5.8763

377.0650,  
365.2403, 508.0374

■ 0.8032, 0.2925,  
2.7025

■ 0.0000, 0.0000,  
0.9447

■ 67.7732, 61.4915,  
102.9048

■ 67.7732, 61.4915,  
102.9048

■ 58.6177, 49.0587,  
100.9875

■ 78.2316, 76.0446,  
105.1626

■ 50.7027, 38.6354,  
99.3928

■ 90.0410, 92.8067,  
107.7756

■ 43.9680, 30.1120,  
98.1026

95.0500, 100.0000,  
108.9000

■ 38.3459, 23.3648,  
97.0966

■ 33.7607, 18.2552,  
96.3520

■ 30.1258, 14.6226,  
95.8424

■ 27.3365, 12.2716,  
95.5356

■ 25.9673, 11.3015,  
95.4205

# Harmonies

## Analogous

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



60.7564, 61.4915, 114.7279



67.7732, 61.4915, 102.9048



72.5307, 61.4915, 82.0578

# Triad

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



67.7732, 61.4915, 102.9048



63.5058, 61.4915, 36.0375



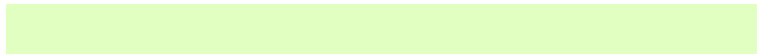
45.7106, 61.4915, 73.7005

# Complementary

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



67.7732, 61.4915, 102.9048



76.8629, 91.5844, 64.6681

# 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.



46.3137, 61.4915, 53.8272



67.7732, 61.4915, 102.9048



56.1946, 61.4915, 34.7137

# Square

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



67.7732, 61.4915, 102.9048



69.9286, 61.4915, 44.6259



50.0161, 61.4915, 40.5348



48.2944, 61.4915, 95.7086



# Rectangle

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



67.7732, 61.4915, 102.9048



73.5679, 61.4915, 67.3807



50.0161, 61.4915, 40.5348



45.5525, 61.4915, 66.5287

# Sweetspot

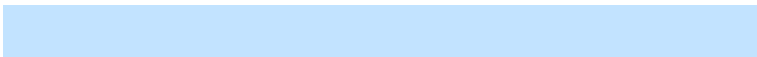
The Sweet Spot groups the original color and five complimentary colors.



67.7750, 61.4940, 102.9051



86.2561, 87.4023, 106.9319



67.6415, 73.3744, 105.2053



18.3069, 18.4865, 22.8533



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.



67.7750, 61.4940, 102.9051



62.9640, 54.9185, 101.8895



77.8388, 66.6821, 103.3761



17.8245, 17.8012, 22.7465



13.7382, 5.9928, 49.8672



1.4627, 0.6480, 4.8613



# Inverse Universe

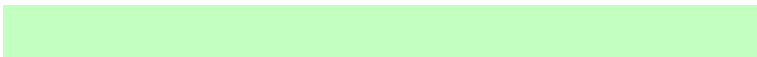
The Inverse Universe completely reimagines the original color for something new.



74.2606, 65.3368, 80.6505



70.6716, 59.4871, 75.3590



68.2729, 87.1561, 64.2661



18.4075, 18.1463, 20.7629



23.8650, 12.0353, 13.2053



2.3789, 1.1939, 1.5766



# Previews

## White Background



This preview shows how the XYZ color 67.7732, 61.4915, 102.9048 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

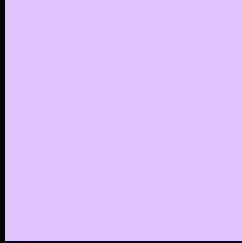
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 67.7732, 61.4915, 102.9048 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 67.7732, 61.4915, 102.9048

## Background



This preview shows how black text looks on a background with the XYZ color 67.7732, 61.4915, 102.9048.



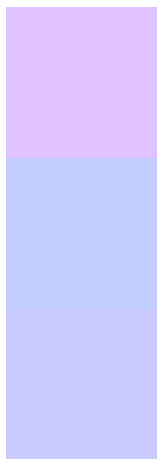
This preview shows how white text looks on a background with the XYZ color 67.7732, 61.4915,



# 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

67.7732, 61.4915, 102.9048

### Protanopia

61.6352, 61.7432, 103.2768

### Deuteranopia

63.3670, 61.9534, 102.3843



## Tritanopia

62.0263, 61.5348, 74.2539

# Trichromacy



## Original Color

67.7732, 61.4915, 102.9048

## Protanomaly

63.6061, 61.3659, 103.1001

## Deuteranomaly

64.8912, 61.7042, 102.2559

## Tritanomaly

63.8313, 61.2178, 84.0532

# Monochromacy



## Original Color

67.7732, 61.4915, 102.9048

## Achromatopsia

61.2578, 64.4480, 70.1838

## Achromatomaly

63.3447, 63.1238, 80.7970

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 67.7732, 61.4915, 102.9048 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(223, 194, 255)` looks like.

```
.text, #text, p{  
    color:rgb(223, 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(223, 194, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 194, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 67.7732, 61.4915, 102.9048 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(223, 194, 255) }
```



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

```
.border{ border-color:rgb(223, 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(223, 194, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 194, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 194, 255);  
box-shadow:4px 4px 4px 4px rgb(223, 194,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 67.7732, 61.4915, 102.9048 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 194, 255) }
```

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

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