

# Converting Colors

XYZ(68.9470, 63.7424,  
103.2774)

Have a look what the booklet for  
XYZ(68.9470, 63.7424, 103.2774)  
contains.

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# Color

**XYZ(68.9048, 63.7548,  
103.2820)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DFC7FF
RGB	223, 199, 255
RGB Percent	87%, 78%, 100%
CMY	0.1255, 0.2196, 0.0000
CMYK	0.13, 0.22, 0.00, 0.00
HSL	266°, 100%, 89%
HSV	266°, 22%, 100%
XYZ	68.9048, 63.7548, 103.2820
YIQ	212.5600, -3.6720, 22.5040

# Conversions

## Conversions Part 2

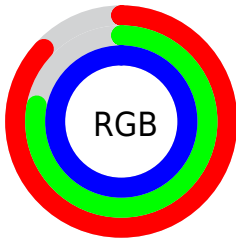
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	223, 199, 255
Decimal	14665727
CIE Lab	83.84, 18.83, -24.38
CIE LCh	84, 30.802, 307.686
Yxy	63.7548, 0.2920, 0.2702
Android (android.graphics.Color)	4292855807 (0xFFDFC7FF)
YUV	212.5600, 20.9229, 9.1559
Hunter-Lab	79.8466, 14.3076, -20.7993

# Details

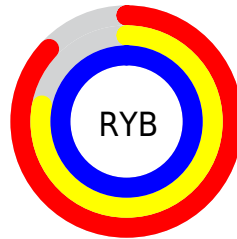
The XYZ color **68.9048, 63.7548, 103.2820** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **79.0252, 92.6331, 67.7507**, and the grayscale version is **62.8203, 66.0919, 71.9741**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **36.2548, 32.5435, 57.7968** is the 20% darker color. If you saturate the color by 10%, you get **59.2242, 50.7735, 101.2866**, and if you desaturate by 10%, it is **79.9585, 78.9065, 105.6240**.

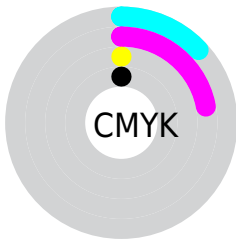
# Distribution



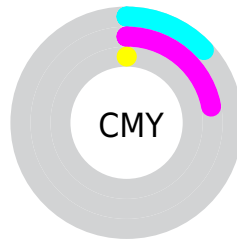
- Red (87%)
- Green (78%)
- Blue (100%)



- Red (87%)
- Yellow (78%)
- Blue (100%)



- Cyan (13%)
- Magenta (22%)
- Yellow (0%)
- Black (0%)



- Cyan (13%)
- Magenta (22%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 68.9048, 63.7548, 103.2820 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 68.9048, 63.7548, 103.2820 by changing the saturation by 10% instead.



68.9048, 63.7548,  
103.2820

68.9048, 63.7548,  
103.2820

446.0218,  
438.3036, 592.0009

50.9105, 46.4521,  
78.4122

116.6804,  
110.2577, 167.7512

36.3582, 32.6027,  
57.8942

147.1925,  
140.2268, 208.1877

24.8823, 21.8223,  
41.3094

182.6078,  
175.1867, 254.6502

16.1177, 13.7264,  
28.2394

223.2919,  
215.5219, 307.5571

9.6988, 7.9306,  
18.2656

269.6099,  
261.6168, 367.3271

5.2605, 4.0506,  
10.9694

321.9273,

2.4372, 1.7019,

313.8558, 434.3787

5.9324

380.6095,  
372.6233, 509.1305

■ 0.8637, 0.4249,  
2.7359

■ 0.0000, 0.0000,  
0.9614

■ 68.9048, 63.7548,  
103.2820

■ 68.9048, 63.7548,  
103.2820

■ 59.2242, 50.7735,  
101.2866

■ 79.9585, 78.9065,  
105.6240

■ 50.8525, 39.8520,  
99.6197

■ 92.4347, 96.3169,  
108.3269

■ 43.7285, 30.8813,  
98.2637

95.0500, 100.0000,  
108.9000

■ 37.7830, 23.7391,  
97.1985

■ 32.9396, 18.2886,  
96.4017

■ 29.1111, 14.3728,  
95.8476

■ 26.1943, 11.8033,  
95.5054

■ 24.3915, 10.4892,  
95.3468

# Harmonies

## Analogous

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



62.3540, 63.7548, 113.2846



68.9048, 63.7548, 103.2820



73.4492, 63.7548, 84.5501

# Triad

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



68.9048, 63.7548, 103.2820



65.6729, 63.7548, 40.3356



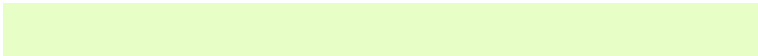
48.5951, 63.7548, 74.5224

# Complementary

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



68.9048, 63.7548, 103.2820



79.0252, 92.6331, 67.7507

# 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.



49.3390, 63.7548, 56.2088



68.9048, 63.7548, 103.2820



58.8734, 63.7548, 38.6496

# Square

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



68.9048, 63.7548, 103.2820



71.4886, 63.7548, 49.0379



52.9854, 63.7548, 43.9065



50.8720, 63.7548, 94.7826



# Rectangle

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



68.9048, 63.7548, 103.2820



74.5503, 63.7548, 70.9336



52.9854, 63.7548, 43.9065



48.5034, 63.7548, 67.9244

# Sweetspot

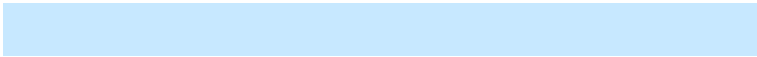
The Sweet Spot groups the original color and five complimentary colors.



68.9066, 63.7574, 103.2824



85.9640, 87.2518, 106.9182



70.3679, 76.8896, 105.7401



18.2393, 18.4516, 22.8501



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.



68.9066, 63.7574, 103.2824



64.8322, 58.2554, 102.4351



78.0186, 68.4548, 103.7088



17.7412, 17.7583, 22.7426



12.9079, 5.5647, 49.8284



1.3788, 0.6047, 4.8573



# Inverse Universe

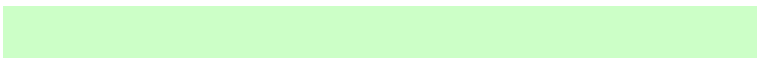
The Inverse Universe completely reimagines the original color for something new.



76.0887, 67.8788, 84.6949



73.1812, 63.0495, 80.6869



70.8811, 88.4347, 67.3695



18.4444, 18.1611, 20.9573



24.3246, 12.2191, 15.6259

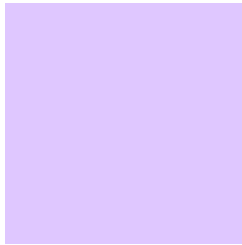


2.4232, 1.2116, 1.8098



# Previews

## White Background



This preview shows how the XYZ color 68.9048, 63.7548, 103.2820 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

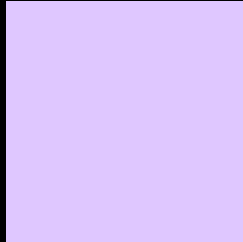
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 68.9048, 63.7548, 103.2820 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 68.9048, 63.7548, 103.2820

## Background



This preview shows how black text looks on a background with the XYZ color 68.9048, 63.7548, 103.2820.



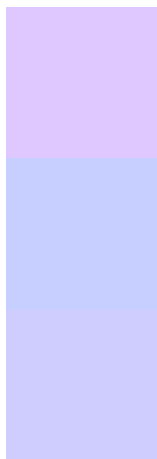
This preview shows how white text looks on a background with the XYZ color 68.9048, 63.7548,



# 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

68.9048, 63.7548, 103.2820

### Protanopia

63.6515, 63.8514, 103.5775

### Deuteranopia

65.4528, 64.0838, 102.6856



## Tritanopia

63.4977, 63.6348, 77.3427

# Trichromacy



## Original Color

68.9048, 63.7548, 103.2820

## Protanomaly

65.3750, 63.6711, 103.4519

## Deuteranomaly

66.6859, 64.0138, 102.6071

## Tritanomaly

65.2773, 63.6551, 85.9370

# Monochromacy



## Original Color

68.9048, 63.7548, 103.2820

## Achromatopsia

63.2451, 66.5387, 72.4607

## Achromatomaly

65.1747, 65.4649, 82.5997

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 68.9048, 63.7548, 103.2820 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, 199, 255)` looks like.

```
.text, #text, p{  
    color:rgb(223, 199, 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, 199, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 199, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 68.9048, 63.7548, 103.2820 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, 199, 255) }
```



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

```
.border{ border-color:rgb(223, 199, 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, 199, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 199, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 199, 255);  
box-shadow:4px 4px 4px 4px rgb(223, 199,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 68.9048, 63.7548, 103.2820 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 199, 255) }
```

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

```
.background{ background-color: rgb(223,  
199, 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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