

# Converting Colors

XYZ(80.2827, 68.1809,  
178.9069)

Have a look what the booklet for  
XYZ(80.2827, 68.1809, 178.9069)  
contains.

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# Color

**XYZ(65.8557, 62.5256,  
103.2054)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D4C8FF
RGB	212, 200, 255
RGB Percent	83%, 78%, 100%
CMY	0.1686, 0.2157, 0.0000
CMYK	0.17, 0.22, 0.00, 0.00
HSL	253°, 100%, 89%
HSV	253°, 22%, 100%
XYZ	65.8557, 62.5256, 103.2054
YIQ	209.8580, -10.5030, 19.6490

# Conversions

## Conversions Part 2

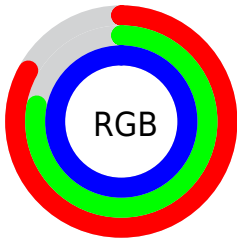
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	212, 200, 255
Decimal	13945087
CIE Lab	83.19, 14.89, -25.44
CIE LCh	83, 29.477, 300.337
Yxy	62.5256, 0.2844, 0.2700
Android (android.graphics.Color)	4292135167 (0xFFD4C8FF)
YUV	209.8580, 22.2550, 1.8785
Hunter-Lab	79.0731, 10.2849, -22.0335

# Details

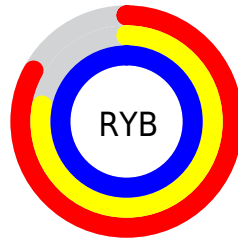
The XYZ color **65.8557, 62.5256, 103.2054** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **83.1486, 94.7453, 68.5516**, and the grayscale version is **61.0306, 64.2090, 69.9236**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **34.3766, 31.8031, 57.7528** is the 20% darker color. If you saturate the color by 10%, you get **55.0387, 48.9025, 101.1460**, and if you desaturate by 10%, it is **78.3709, 78.4893, 105.6271**.

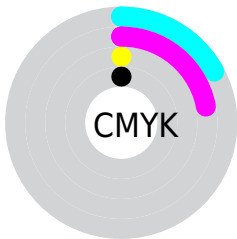
# Distribution



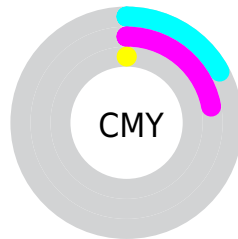
- Red (83%)
- Green (78%)
- Blue (100%)



- Red (83%)
- Yellow (78%)
- Blue (100%)



- Cyan (17%)
- Magenta (22%)
- Yellow (0%)
- Black (0%)



- Cyan (17%)
- Magenta (22%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 65.8557, 62.5256, 103.2054 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 65.8557, 62.5256, 103.2054 by changing the saturation by 10% instead.



65.8557, 62.5256,  
103.2054

65.8557, 62.5256,  
103.2054

435.3574,  
433.8457, 591.7555

48.4225, 45.4575,  
78.3484

112.3381,  
108.4848, 167.6454

34.3743, 31.8180,  
57.8421

142.1180,  
138.1447, 208.0655

23.3455, 21.2225,  
41.2679

176.7442,  
172.7707, 254.5103

14.9709, 13.2867,  
28.2072

216.5821,  
212.7472, 307.3986

8.8852, 7.6263,  
18.2415

261.9970,  
258.4586, 367.1486

4.7229, 3.8568,  
10.9523

313.3543,

2.1187, 1.5938,

310.2892, 434.1791

5.9210

371.0193,  
368.6234, 508.9086

■ 0.6993, 0.3534,  
2.7291

■ 0.0000, 0.0000,  
0.9580

■ 65.8557, 62.5256,  
103.2054

■ 65.8557, 62.5256,  
103.2054

■ 55.0387, 48.9025,  
101.1460

■ 78.3709, 78.4893,  
105.6271

■ 45.8398, 37.5016,  
99.4303

■ 92.6486, 96.8895,  
108.4262

■ 38.1807, 28.2054,  
98.0396

■ 95.0500, 100.0000,  
108.9000

■ 31.9739, 20.8824,  
96.9532

■ 27.1229, 15.3860,  
96.1480

■ 23.5186, 11.5485,  
95.5972

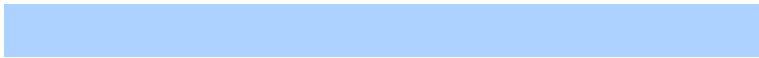
■ 21.0334, 9.1700,  
95.2691

■ 19.6604, 8.0502,  
95.1254

# Harmonies

## Analogous

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



59.5010, 62.5256, 109.6971



65.8557, 62.5256, 103.2054



70.7622, 62.5256, 87.0296

# Triad

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



65.8557, 62.5256, 103.2054



65.7217, 62.5256, 41.8433



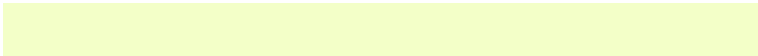
47.9652, 62.5256, 68.2870

# Complementary

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



65.8557, 62.5256, 103.2054



83.1486, 94.7453, 68.5516

# 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.



49.3750, 62.5256, 52.1020



65.8557, 62.5256, 103.2054



59.3565, 62.5256, 38.5967

# Square

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



65.8557, 62.5256, 103.2054



70.6810, 62.5256, 51.8026



53.4341, 62.5256, 41.9932



49.4389, 62.5256, 87.4526



# Rectangle

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



65.8557, 62.5256, 103.2054



72.3881, 62.5256, 74.1612



53.4341, 62.5256, 41.9932



48.1164, 62.5256, 62.3402

# Sweetspot

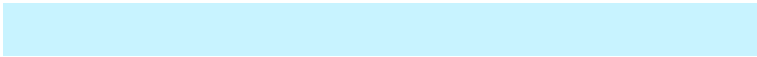
The Sweet Spot groups the original color and five complimentary colors.



65.8575, 62.5281, 103.2058



86.0971, 88.4251, 107.1377



73.9464, 83.6516, 106.8567



18.2281, 18.6686, 22.8926



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.



65.8575, 62.5281, 103.2058



60.8566, 56.2059, 102.2491



74.4432, 66.9542, 103.6076



17.3735, 17.5687, 22.7254



10.3751, 4.2591, 49.7098



1.0980, 0.4600, 4.8442



# Inverse Universe

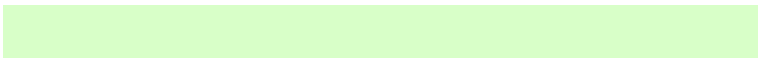
The Inverse Universe completely reimagines the original color for something new.



78.0732, 69.0418, 94.0069



75.1810, 63.8494, 91.2174



74.3827, 90.2264, 68.1414



18.6130, 18.2285, 21.8453



27.0157, 13.2956, 29.7966

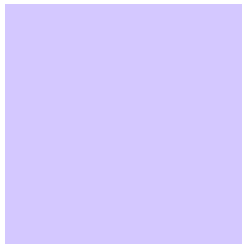


2.6704, 1.3106, 3.1120



# Previews

## White Background



This preview shows how the XYZ color 65.8557, 62.5256, 103.2054 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

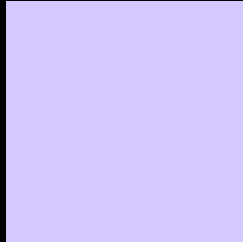
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 65.8557, 62.5256, 103.2054 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

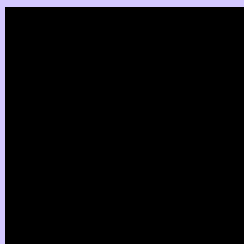
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 65.8557, 62.5256, 103.2054

## Background



This preview shows how black text looks on a background with the XYZ color 65.8557, 62.5256, 103.2054.



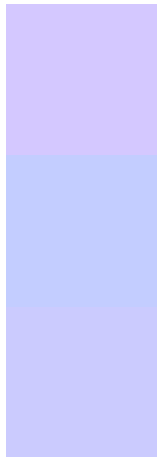
This preview shows how white text looks on a background with the XYZ color 65.8557, 62.5256,



# 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

65.8557, 62.5256, 103.2054

### Protanopia

62.3870, 62.4847, 103.3804

### Deuteranopia

63.8739, 62.5641, 102.4755



## Tritanopia

60.7097, 62.5384, 77.9786

# Trichromacy



## Original Color

65.8557, 62.5256, 103.2054

## Protanomaly

63.4933, 62.3494, 103.2959

## Deuteranomaly

64.4635, 62.5186, 102.4356

## Tritanomaly

62.4566, 62.5361, 86.6208

# Monochromacy



## Original Color

65.8557, 62.5256, 103.2054

## Achromatopsia

61.2578, 64.4480, 70.1838

## Achromatomaly

62.6627, 63.4825, 80.9022

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 65.8557, 62.5256, 103.2054 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(212, 200, 255)` looks like.

```
.text, #text, p{  
    color:rgb(212, 200, 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(212, 200, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 200, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 65.8557, 62.5256, 103.2054 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(212, 200, 255) }
```



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

```
.border{ border-color:rgb(212, 200, 255) }
```

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

Here you see how a box with a 4 pixel rgb(212, 200, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 200, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 200, 255);  
box-shadow:4px 4px 4px 4px rgb(212, 200,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 65.8557, 62.5256, 103.2054 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 200, 255) }
```

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

```
.background{ background-color: rgb(212,  
200, 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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