

# Converting Colors

XYZ(65.3527, 64.0658,  
104.5691)

Have a look what the booklet for  
XYZ(65.3527, 64.0658, 104.5691)  
contains.

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# **Color**

**XYZ(65.0582, 63.8618,  
103.5054)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CDCDFF
RGB	205, 205, 255
RGB Percent	80%, 80%, 100%
CMY	0.1961, 0.1961, 0.0000
CMYK	0.20, 0.20, 0.00, 0.00
HSL	240°, 100%, 90%
HSV	240°, 20%, 100%
XYZ	65.0582, 63.8618, 103.5054
YIQ	210.7000, -16.0500, 15.5500

# Conversions

## Conversions Part 2

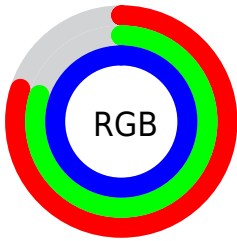
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	205, 205, 255
Decimal	13487615
CIE <sub>Lab</sub>	83.89, 10.07, -24.42
CIE <sub>LCh</sub>	84, 26.416, 292.410
Yxy	63.8618, 0.2799, 0.2748
Android (android.graphics.Color)	4291677695 (0xFFCDCDFF)
YUV	210.7000, 21.8399, -4.9989
Hunter-Lab	79.9136, 5.4693, -20.8539

# Details

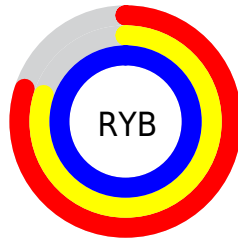
The XYZ color **65.0582, 63.8618, 103.5054** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **88.0193, 97.1869, 71.8792**, and the grayscale version is **61.5887, 64.7961, 70.5630**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **33.8373, 32.6945, 57.9533** is the 20% darker color. If you saturate the color by 10%, you get **52.9784, 49.3069, 101.3327**, and if you desaturate by 10%, it is **79.2819, 81.0007, 106.0638**.

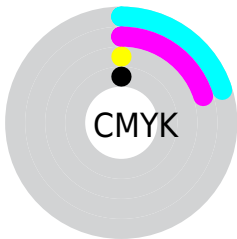
# Distribution



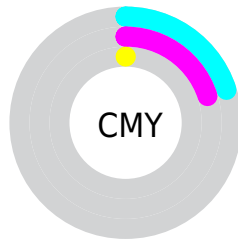
- Red (80%)
- Green (80%)
- Blue (100%)



- Red (80%)
- Yellow (80%)
- Blue (100%)



- Cyan (20%)
- Magenta (20%)
- Yellow (0%)
- Black (0%)



- Cyan (20%)
- Magenta (20%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 65.0582, 63.8618, 103.5054 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 65.0582, 63.8618, 103.5054 by changing the saturation by 10% instead.



65.0582, 63.8618,  
103.5054

65.0582, 63.8618,  
103.5054

432.5430,  
438.6904, 592.7162

47.7731, 46.5388,  
78.5981

111.1988,  
110.4119, 168.0599

33.8578, 32.6712,  
58.0461

140.7850,  
140.4077, 208.5441

22.9467, 21.8747,  
41.4307

175.2023,  
175.3966, 255.0578

14.6747, 13.7648,  
28.3336

214.8161,  
215.7629, 308.0194

8.6762, 7.9573,  
18.3360

259.9917,  
261.8910, 367.8475

4.5860, 4.0676,  
11.0196

311.0945,

2.0387, 1.7115,

314.1654, 434.9607

5.9657

368.4898,  
372.9704, 509.7774

■ 0.6556, 0.4311,  
2.7558

■ 0.0000, 0.0000,  
0.9713

■ 65.0582, 63.8618,  
103.5054

■ 65.0582, 63.8618,  
103.5054

■ 52.9784, 49.3069,  
101.3327

■ 79.2819, 81.0007,  
106.0638

■ 42.9336, 37.2035,  
99.5259

95.0500, 100.0000,  
108.9000

■ 34.8134, 27.4192,  
98.0653

■ 28.4949, 19.8058,  
96.9288

■ 23.8409, 14.1980,  
96.0917

■ 20.6947, 10.4070,  
95.5258

■ 18.8698, 8.2079,  
95.1975

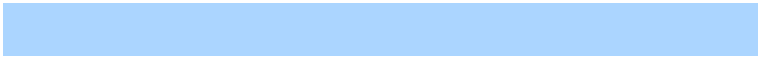
■ 18.0735, 7.2484,  
95.0542

■ 18.0501, 7.2202,  
95.0500

# Harmonies

## Analogous

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



59.2351, 63.8618, 106.3152



65.0582, 63.8618, 103.5054



69.9885, 63.8618, 90.9345

# Triad

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



65.0582, 63.8618, 103.5054



67.7717, 63.8618, 47.1383



50.2847, 63.8618, 65.3939

# Complementary

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



65.0582, 63.8618, 103.5054



88.0193, 97.1869, 71.8792

# 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.



52.2697, 63.8618, 51.7868



65.0582, 63.8618, 103.5054



62.1862, 63.8618, 42.3974

# Square

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



65.0582, 63.8618, 103.5054



71.6235, 63.8618, 58.0363



56.5385, 63.8618, 43.9519



50.9455, 63.8618, 82.4595



# Rectangle

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



65.0582, 63.8618, 103.5054



71.9830, 63.8618, 79.6584



56.5385, 63.8618, 43.9519



50.6600, 63.8618, 60.3071

# Sweetspot

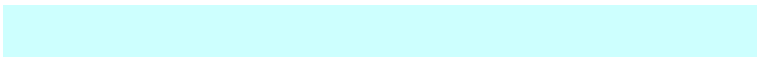
The Sweet Spot groups the original color and five complimentary colors.



65.0600, 63.8643, 103.5058



84.9554, 87.8368, 107.0843



78.8537, 91.6660, 107.4432



17.9594, 18.5301, 22.8801



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.



65.0600, 63.8643, 103.5058



59.4946, 57.1584, 102.5047



72.2488, 67.5697, 103.8421



17.0032, 17.3779, 22.7081



9.4316, 3.7727, 49.6657



0.9183, 0.3674, 4.8358



# Inverse Universe

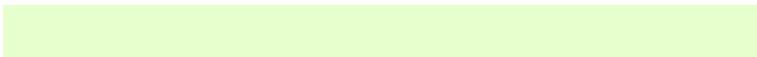
The Inverse Universe completely reimagines the original color for something new.



74.0920, 69.3320, 67.2378



70.2027, 63.6408, 59.5062



79.6815, 92.8893, 71.4892



18.0095, 17.9871, 18.6671



21.5488, 11.1088, 1.0086

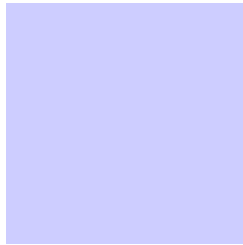


2.0981, 1.0816, 0.0983



# Previews

## White Background



This preview shows how the XYZ color 65.0582, 63.8618, 103.5054 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

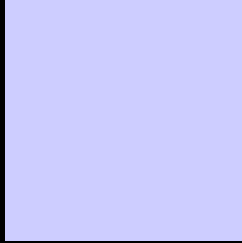
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 65.0582, 63.8618, 103.5054 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

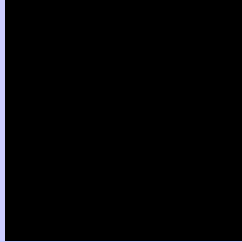
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 65.0582, 63.8618, 103.5054

## Background



This preview shows how black text looks on a background with the XYZ color 65.0582, 63.8618, 103.5054.



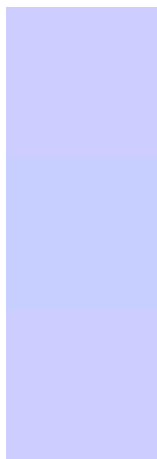
This preview shows how white text looks on a background with the XYZ color 65.0582, 63.8618,



# 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

65.0582, 63.8618, 103.5054

### Protanopia

63.6515, 63.8514, 103.5775

### Deuteranopia

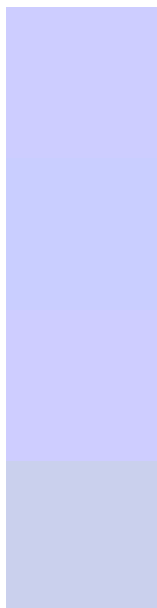
65.3349, 64.0045, 103.5183



## Tritanopia

60.7311, 63.9186, 81.8097

# Trichromacy



## Original Color

65.0582, 63.8618, 103.5054

## Protanomaly

64.2087, 63.7801, 103.5344

## Deuteranomaly

65.3349, 64.0045, 103.5183

## Tritanomaly

62.1991, 63.7827, 89.1538

# Monochromacy



## Original Color

65.0582, 63.8618, 103.5054

## Achromatopsia

61.9161, 65.1406, 70.9381

## Achromatomaly

62.9601, 64.7023, 81.8435

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 65.0582, 63.8618, 103.5054 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(205, 205, 255)` looks like.

```
.text, #text, p{  
    color:rgb(205, 205, 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(205, 205, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 205, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 65.0582, 63.8618, 103.5054 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(205, 205, 255) }
```



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

```
.border{ border-color:rgb(205, 205, 255) }
```

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

Here you see how a box with a 4 pixel rgb(205, 205, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 205, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 205, 255);  
box-shadow:4px 4px 4px 4px rgb(205, 205,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 65.0582, 63.8618, 103.5054 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 205, 255) }
```

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

```
.background{ background-color: rgb(205,  
205, 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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