

# Converting Colors

XYZ(68.6230, 66.2527,  
103.7790)

Have a look what the booklet for  
XYZ(68.6230, 66.2527, 103.7790)  
contains.

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# Color

**XYZ(68.6817, 66.4446,  
103.8129)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D8CFFF
RGB	216, 207, 255
RGB Percent	85%, 81%, 100%
CMY	0.1529, 0.1882, 0.0000
CMYK	0.15, 0.19, 0.00, 0.00
HSL	251°, 100%, 91%
HSV	251°, 19%, 100%
XYZ	68.6817, 66.4446, 103.8129
YIQ	215.1630, -10.0440, 16.8360

# Conversions

## Conversions Part 2

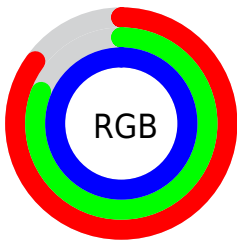
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	216, 207, 255
Decimal	14209023
CIE Lab	85.22, 12.38, -22.32
CIE LCh	85, 25.525, 299.003
Yxy	66.4446, 0.2874, 0.2781
Android (android.graphics.Color)	4292399103 (0xFFD8CFFF)
YUV	215.1630, 19.6396, 0.7340
Hunter-Lab	81.5136, 7.7518, -18.4502

# Details

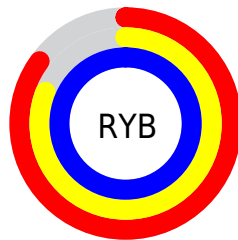
The XYZ color **68.6817, 66.4446, 103.8129** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **85.0300, 95.6185, 73.0092**, and the grayscale version is **64.5794, 67.9425, 73.9894**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **36.2822, 34.4367, 58.1608** is the 20% darker color. If you saturate the color by 10%, you get **57.2555, 52.1132, 101.6489**, and if you desaturate by 10%, it is **81.8812, 83.1745, 106.3464**.

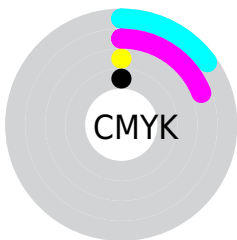
# Distribution



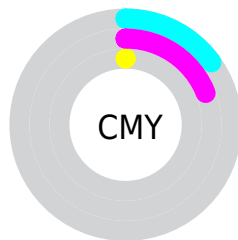
- Red (85%)
- Green (81%)
- Blue (100%)



- Red (85%)
- Yellow (81%)
- Blue (100%)



- Cyan (15%)
- Magenta (19%)
- Yellow (0%)
- Black (0%)



- Cyan (15%)
- Magenta (19%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 68.6817, 66.4446, 103.8129 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 68.6817, 66.4446, 103.8129 by changing the saturation by 10% instead.



■ 68.6817, 66.4446,  
103.8129

■ 68.6817, 66.4446,  
103.8129

445.2465,  
447.9652, 593.7000

■ 50.7282, 48.6334,  
78.8541

116.3634,  
114.1242, 168.4846

■ 36.2125, 34.3288,  
58.2552

146.8223,  
144.7614, 209.0346

■ 24.7693, 23.1463,  
41.5978

182.1805,  
180.4428, 255.6187

■ 16.0330, 14.7016,  
28.4633

222.8031,  
221.5526, 308.6554

■ 9.6385, 8.6102,  
18.4331

269.0557,  
268.4754, 368.5634

■ 5.2204, 4.4878,  
11.0887

321.3036,

■ 2.4132, 1.9500,

321.5955, 435.7611

6.0116

379.9120,  
381.2973, 510.6671

■ 0.8517, 0.5782,  
2.7832

■ 0.0000, 0.0000,  
0.9851

■ 68.6817, 66.4446,  
103.8129

■ 68.6817, 66.4446,  
103.8129

■ 57.2555, 52.1132,  
101.6489

■ 81.8812, 83.1745,  
106.3464

■ 47.5205, 40.0620,  
99.8359

95.0500, 100.0000,  
108.9000

■ 39.3966, 30.1746,  
98.3556

■ 32.7945, 22.3208,  
97.1876

■ 27.6162, 16.3564,  
96.3093

■ 23.7516, 12.1179,  
95.6949

■ 21.0733, 9.4129,  
95.3139

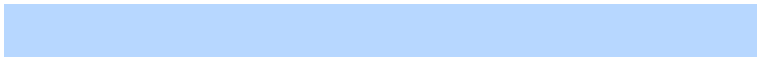
■ 19.4101, 7.9696,  
95.1230

■ 19.2597, 7.8436,  
95.1066

# Harmonies

## Analogous

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



62.9609, 66.4446, 108.9539



68.6817, 66.4446, 103.8129



73.1393, 66.4446, 89.9571

# Triad

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



68.6817, 66.4446, 103.8129



69.0355, 66.4446, 48.4049



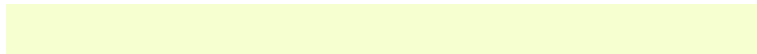
52.7068, 66.4446, 71.7960

# Complementary

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



68.6817, 66.4446, 103.8129



85.0300, 95.6185, 73.0092

# 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.



54.1208, 66.4446, 57.1994



68.6817, 66.4446, 103.8129



63.3466, 66.4446, 45.0228

# Square

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



68.6817, 66.4446, 103.8129



73.3522, 66.4446, 58.0212



57.9304, 66.4446, 47.9836



53.9470, 66.4446, 88.8555



# Rectangle

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



68.6817, 66.4446, 103.8129



74.6710, 66.4446, 78.5728



57.9304, 66.4446, 47.9836



52.8859, 66.4446, 66.4589

# Sweetspot

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



68.6836, 66.4473, 103.8133



85.9351, 88.3416, 107.1301



76.8004, 86.5199, 107.2599



18.1900, 18.6489, 22.8908



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.



68.6836, 66.4473, 103.8133



63.6976, 60.1731, 102.8651



76.2318, 70.3385, 104.1666



17.3207, 17.5415, 22.7229



10.1539, 4.1450, 49.6995



1.0692, 0.4451, 4.8428



# Inverse Universe

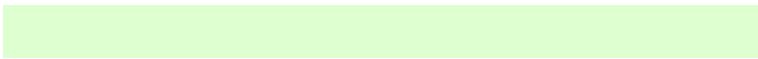
The Inverse Universe completely reimagines the original color for something new.



80.1889, 72.5420, 96.9664



77.3889, 67.4299, 94.5285



77.2096, 91.5869, 72.6433



18.6380, 18.2385, 21.9769



27.4986, 13.4887, 32.3398



2.7134, 1.3278, 3.3384



# Previews

## White Background



This preview shows how the XYZ color 68.6817, 66.4446, 103.8129 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

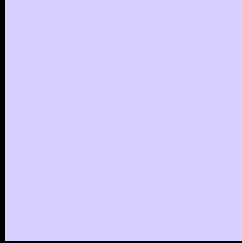
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 68.6817, 66.4446, 103.8129 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

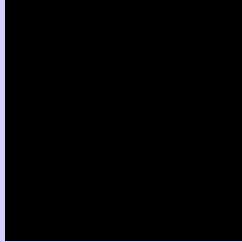
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 68.6817, 66.4446, 103.8129

## Background



This preview shows how black text looks on a background with the XYZ color 68.6817, 66.4446, 103.8129.



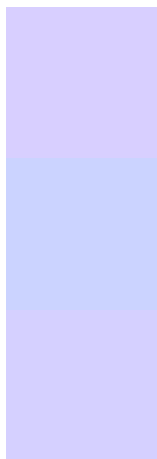
This preview shows how white text looks on a background with the XYZ color 68.6817, 66.4446,



# 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

68.6817, 66.4446, 103.8129

### Protanopia

65.9729, 66.5050, 103.9674

### Deuteranopia

68.0464, 66.4779, 103.8528



## Tritanopia

64.4110, 66.5373, 82.8469

# Trichromacy



## Original Color

68.6817, 66.4446, 103.8129

## Protanomaly

67.1090, 66.7231, 103.9496

## Deuteranomaly

68.3374, 66.6279, 103.8664

## Tritanomaly

65.9198, 66.4124, 90.2334

# Monochromacy



## Original Color

68.6817, 66.4446, 103.8129

## Achromatopsia

64.5905, 67.9542, 74.0022

## Achromatomaly

65.8507, 67.2472, 84.3722

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 68.6817, 66.4446, 103.8129 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(216, 207, 255)` looks like.

```
.text, #text, p{  
    color:rgb(216, 207, 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(216, 207, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 207, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 68.6817, 66.4446, 103.8129 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(216, 207, 255) }
```



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

```
.border{ border-color:rgb(216, 207, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 207, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 207, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 207, 255);  
box-shadow:4px 4px 4px 4px rgb(216, 207,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 68.6817, 66.4446, 103.8129 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 207, 255) }
```

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

```
.background{ background-color: rgb(216,  
207, 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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