

# Converting Colors

XYZ(67.5393, 68.7079, 99.5474)

Have a look what the booklet for  
XYZ(67.5393, 68.7079, 99.5474)  
contains.

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# Color

**XYZ(67.4399, 68.4880,  
99.2876)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D1D6F9
RGB	209, 214, 249
RGB Percent	82%, 84%, 98%
CMY	0.1804, 0.1608, 0.0235
CMYK	0.16, 0.14, 0.00, 0.02
HSL	232°, 77%, 90%
HSV	232°, 16%, 98%
XYZ	67.4399, 68.4880, 99.2876
YIQ	216.4950, -14.2150, 9.8250

# Conversions

## Conversions Part 2

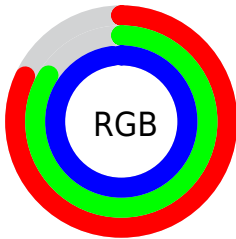
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	209, 213, 249
Decimal	13752057
CIE Lab	86.25, 5.23, -17.65
CIE LCh	86, 18.408, 286.499
Yxy	68.4880, 0.2867, 0.2912
Android (android.graphics.Color)	4291942137 (0xFFD1D6F9)
YUV	216.4950, 16.0250, -6.5731
Hunter-Lab	82.7575, 0.6359, -13.2025

# Details

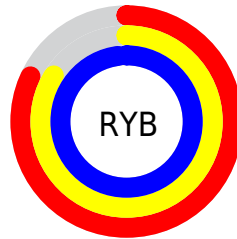
The XYZ color **67.4399, 68.4880, 99.2876** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **82.9266, 89.4442, 73.2168**, and the grayscale version is **65.5105, 68.9222, 75.0562**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **35.3502, 35.5166, 55.4443** is the 20% darker color. If you saturate the color by 10%, you get **55.7884, 54.8381, 97.2681**, and if you desaturate by 10%, it is **80.9340, 84.1860, 101.6075**.

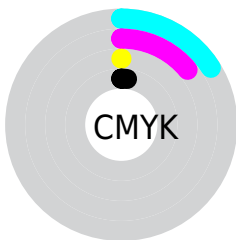
# Distribution



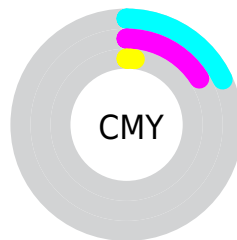
- Red (82%)
- Green (84%)
- Blue (98%)



- Red (82%)
- Yellow (84%)
- Blue (98%)



- Cyan (16%)
- Magenta (14%)
- Yellow (0%)
- Black (2%)



- Cyan (18%)
- Magenta (16%)
- Yellow (2%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 67.4399, 68.4880, 99.2876 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 67.4399, 68.4880, 99.2876 by changing the saturation by 10% instead.



■ 67.4399, 68.4880,  
99.2876

■ 67.4399, 68.4880,  
99.2876

440.9169,  
455.2231, 579.1334

■ 49.7142, 50.2948,  
75.0921

114.5968,  
117.0500, 162.2212

■ 35.4032, 35.6477,  
55.1862

144.7588,  
148.1876, 201.7964

■ 24.1416, 24.1623,  
39.1512

179.7969,  
184.4089, 247.3352

■ 15.5640, 15.4540,  
26.5686

220.0765,  
226.0981, 299.2563

■ 9.3051, 9.1386,  
17.0200

265.9629,  
273.6398, 357.9781

■ 4.9994, 4.8317,  
10.0866

317.8216,

■ 2.2817, 2.1489,

327.4182, 423.9192

5.3501

376.0178,  
387.8179, 497.4981

■ 0.7853, 0.6919,  
2.3918

■ 0.0000, 0.0000,  
0.7820

■ 67.4399, 68.4880,  
99.2876

■ 67.4399, 68.4880,  
99.2876

■ 55.7884, 54.8381,  
97.2681

■ 80.9340, 84.1860,  
101.6075

■ 45.8933, 43.1433,  
95.5323

■ 94.0991, 99.6196,  
103.8926

■ 37.6705, 33.3162,  
94.0689

■ 31.0267, 25.2593,  
92.8639

■ 25.8595, 18.8661,  
91.9022

■ 22.0540, 14.0188,  
91.1672

■ 19.4779, 10.5832,  
90.6398

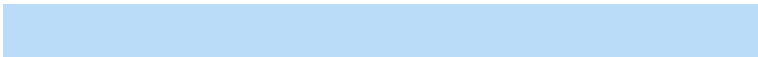
■ 17.9711, 8.4015,  
90.2981

■ 17.5928, 7.8270,  
90.2072

# Harmonies

## Analogous

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



63.2100, 68.4880, 99.6710



67.4399, 68.4880, 99.2876



71.1935, 68.4880, 91.8358

# Triad

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



67.4399, 68.4880, 99.2876



70.8736, 68.4880, 58.8781



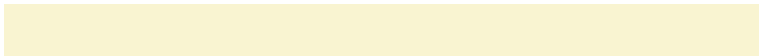
57.4822, 68.4880, 69.2500

# Complementary

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



67.4399, 68.4880, 99.2876



82.9266, 89.4442, 73.2168

# 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.



59.3566, 68.4880, 59.6195



67.4399, 68.4880, 99.2876



67.0187, 68.4880, 54.0853

# Square

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



67.4399, 68.4880, 99.2876



73.2341, 68.4880, 68.1322



62.8066, 68.4880, 54.3411



57.5839, 68.4880, 81.4048



# Rectangle

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



67.4399, 68.4880, 99.2876



72.8661, 68.4880, 84.2803



62.8066, 68.4880, 54.3411



57.8985, 68.4880, 65.6391

# Sweetspot

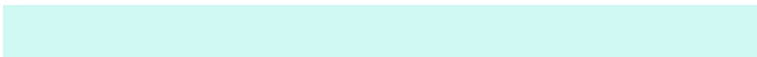
The Sweet Spot groups the original color and five complimentary colors.



67.4420, 68.4908, 99.2891



87.0578, 90.7494, 107.5357



76.4500, 87.8194, 98.2455



18.4023, 19.1556, 22.9774



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.



67.4420, 68.4908, 99.2891



67.3527, 67.8130, 104.1471



70.5379, 68.2360, 99.0768



16.4579, 16.9927, 21.7978



9.4712, 4.2980, 48.3040



0.9308, 0.5052, 4.4916



# Inverse Universe

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



74.0066, 70.5973, 73.3476



75.4047, 70.4522, 72.3156



79.4268, 89.9050, 73.4902



17.3329, 17.2605, 18.3429



21.0727, 10.8448, 1.8251

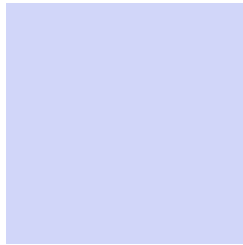


1.9787, 1.0152, 0.3115



# Previews

## White Background



This preview shows how the XYZ color 67.4399, 68.4880, 99.2876 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

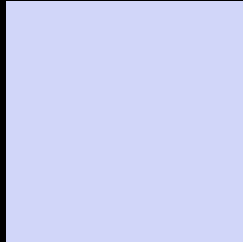
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 67.4399, 68.4880, 99.2876 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

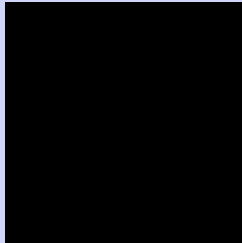
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 67.4399, 68.4880, 99.2876**

## **Background**



This preview shows how black text looks on a background with the XYZ color 67.4399, 68.4880, 99.2876.



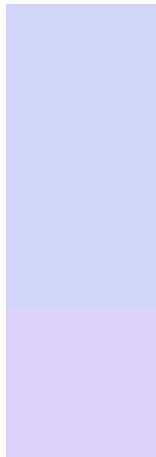
This preview shows how white text looks on a background with the XYZ color 67.4399, 68.4880,



# 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

67.4399, 68.4880, 99.2876

### Protanopia

67.4399, 68.4880, 99.2876

### Deuteranopia

69.8171, 68.2110, 99.9288



## Tritanopia

65.1177, 68.6880, 87.6679

# Trichromacy



## Original Color

67.4399, 68.4880, 99.2876

## Protanomaly

67.4399, 68.4880, 99.2876

## Deuteranomaly

68.8685, 68.0896, 99.9553

## Tritanomaly

65.8680, 68.6091, 91.4326

# Monochromacy



## Original Color

67.4399, 68.4880, 99.2876

## Achromatopsia

65.2694, 68.6685, 74.7800

## Achromatomaly

65.7446, 68.3484, 83.1262

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 67.4399, 68.4880, 99.2876 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(209, 214, 249)` looks like.

```
.text, #text, p{  
    color:rgb(209, 214, 249)  
}
```

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(209, 214, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 214, 249) }
```

## Border

The CSS property to change the border of an element to XYZ 67.4399, 68.4880, 99.2876 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(209, 214, 249) }
```



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

```
.border{ border-color:rgb(209, 214, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 214, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 214, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 214, 249);  
box-shadow:4px 4px 4px 4px rgb(209, 214,  
249) }
```

# Background

The CSS property to change the background color of an element to XYZ 67.4399, 68.4880, 99.2876 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 214, 249) }
```

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

```
.background{ background-color: rgb(209,  
214, 249) }
```

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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