

# Converting Colors

XYZ(69.0923, 64.1812,  
103.3564)

Have a look what the booklet for  
XYZ(69.0923, 64.1812, 103.3564)  
contains.

<b>XYZ(69.1357, 64.2165, 103.3589)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	12
<i><b>Previews</b></i> .....	24
<i><b>Color Blindness Simulation</b></i> .....	28
<i><b>CSS Examples</b></i> .....	31

# Color

**XYZ(69.1357, 64.2165,  
103.3589)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DFC8FF
RGB	223, 200, 255
RGB Percent	87%, 78%, 100%
CMY	0.1255, 0.2157, 0.0000
CMYK	0.13, 0.22, 0.00, 0.00
HSL	265°, 100%, 89%
HSV	265°, 22%, 100%
XYZ	69.1357, 64.2165, 103.3589
YIQ	213.1470, -3.9470, 21.9810

# Conversions

## Conversions Part 2

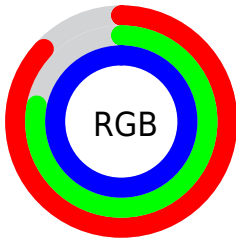
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	223, 200, 255
Decimal	14665983
CIE Lab	84.08, 18.30, -24.01
CIE LCh	84, 30.186, 307.307
Yxy	64.2165, 0.2921, 0.2713
Android (android.graphics.Color)	4292856063 (0xFFDFC8FF)
YUV	213.1470, 20.6335, 8.6411
Hunter-Lab	80.1352, 13.7622, -20.3780

# Details

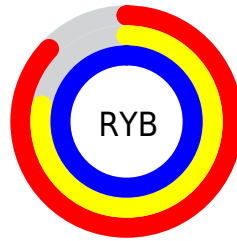
The XYZ color **69.1357, 64.2165, 103.3589** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **79.4654, 92.8466, 68.3794**, and the grayscale version is **63.2140, 66.5060, 72.4251**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **36.4083, 32.8505, 57.8479** is the 20% darker color. If you saturate the color by 10%, you get **59.3428, 51.1215, 101.3475**, and if you desaturate by 10%, it is **80.3177, 79.4930, 105.7182**.

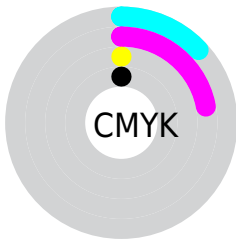
# Distribution



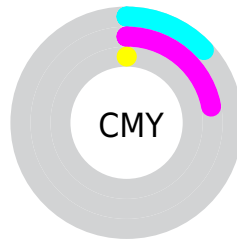
- Red (87%)
- Green (78%)
- Blue (100%)



- 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 69.1357, 64.2165, 103.3589 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 69.1357, 64.2165, 103.3589 by changing the saturation by 10% instead.



69.1357, 64.2165,  
103.3589

69.1357, 64.2165,  
103.3589

446.8233,  
439.9710, 592.2472

51.0993, 46.8260,  
78.4762

117.0084,  
110.9227, 167.8575

36.5090, 32.8982,  
57.9465

147.5753,  
141.0072, 208.3104

24.9995, 22.0484,  
41.3512

183.0499,  
176.0918, 254.7905

16.2054, 13.8925,  
28.2718

223.7973,  
216.5610, 307.7163

9.7614, 8.0459,  
18.2898

270.1830,  
262.7991, 367.5063

5.3021, 4.1244,  
10.9867

322.5724,

2.4621, 1.7434,

315.1906, 434.5791

5.9438

381.3307,  
374.1198, 509.3532

■ 0.8762, 0.4515,  
2.7427

■ 0.0000, 0.0000,  
0.9648

■ 69.1357, 64.2165,  
103.3589

■ 69.1357, 64.2165,  
103.3589

■ 59.3428, 51.1215,  
101.3475

■ 80.3177, 79.4930,  
105.7182

■ 50.8746, 40.0972,  
99.6659

■ 92.9386, 97.0391,  
108.4398

■ 43.6691, 31.0348,  
98.2965

■ 95.0500, 100.0000,  
108.9000

■ 37.6571, 23.8122,  
97.2192

■ 32.7617, 18.2929,  
96.4119

■ 28.8955, 14.3203,  
95.8489

■ 25.9554, 11.7074,  
95.4995

■ 24.0695, 10.3232,  
95.3317

# Harmonies

## Analogous

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



62.6800, 64.2165, 113.0000



69.1357, 64.2165, 103.3589



73.6367, 64.2165, 85.0552

# Triad

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



69.1357, 64.2165, 103.3589



66.1138, 64.2165, 41.2359



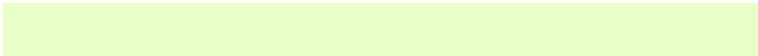
49.1884, 64.2165, 74.6924

# Complementary

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



69.1357, 64.2165, 103.3589



79.4654, 92.8466, 68.3794

# 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.



49.9614, 64.2165, 56.6975



69.1357, 64.2165, 103.3589



59.4207, 64.2165, 39.4733

# Square

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



69.1357, 64.2165, 103.3589



71.8053, 64.2165, 49.9549



53.5947, 64.2165, 44.6058



51.4009, 64.2165, 94.6031



# Rectangle

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



69.1357, 64.2165, 103.3589



74.7504, 64.2165, 71.6595



53.5947, 64.2165, 44.6058



49.1106, 64.2165, 68.2106

# Sweetspot

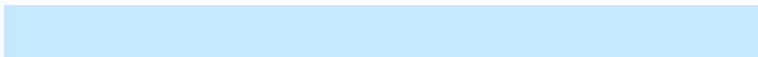
The Sweet Spot groups the original color and five complimentary colors.



69.1375, 64.2191, 103.3593



87.1623, 88.9743, 107.1875



70.7513, 77.2613, 105.7917



18.4794, 18.7981, 22.9044



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.



69.1375, 64.2191, 103.3593



64.6278, 58.1500, 102.4256



78.2793, 68.9319, 103.7872



17.7228, 17.7488, 22.7417



12.7377, 5.4770, 49.8204



1.3613, 0.5957, 4.8565



# Inverse Universe

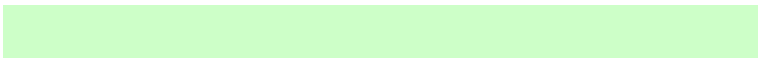
The Inverse Universe completely reimagines the original color for something new.



76.4612, 68.3971, 85.5177



73.2763, 63.0875, 81.1873



71.2491, 88.6109, 67.9949



18.4526, 18.1644, 21.0006



24.4332, 12.2626, 16.1973

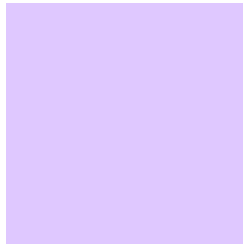


2.4335, 1.2158, 1.8642



# Previews

## White Background



This preview shows how the XYZ color 69.1357, 64.2165, 103.3589 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

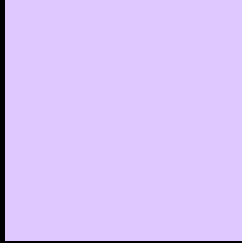
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 69.1357, 64.2165, 103.3589 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

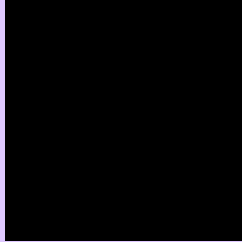
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 69.1357, 64.2165, 103.3589

## Background



This preview shows how black text looks on a background with the XYZ color 69.1357, 64.2165, 103.3589.



This preview shows how white text looks on a background with the XYZ color 69.1357, 64.2165,



# 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

69.1357, 64.2165, 103.3589

### Protanopia

64.1591, 64.4739, 103.6709

### Deuteranopia

65.7331, 64.2283, 102.6987



## Tritanopia

64.1696, 64.3220, 78.1405

# Trichromacy



## Original Color

69.1357, 64.2165, 103.3589

## Protanomaly

65.8937, 64.2925, 103.5445

## Deuteranomaly

66.6859, 64.0138, 102.6071

## Tritanomaly

65.9593, 64.3419, 86.7847

# Monochromacy



## Original Color

69.1357, 64.2165, 103.3589

## 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 69.1357, 64.2165, 103.3589 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, 200, 255)` looks like.

```
.text, #text, p{  
    color:rgb(223, 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(223, 200, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 200, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 69.1357, 64.2165, 103.3589 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, 200, 255) }
```



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

```
.border{ border-color:rgb(223, 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(223, 200, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 200, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 200, 255);  
box-shadow:4px 4px 4px 4px rgb(223, 200,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 69.1357, 64.2165, 103.3589 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 200, 255) }
```

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

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