

# Converting Colors

XYZ(67.1851, 63.2238,  
103.2743)

Have a look what the booklet for  
XYZ(67.1851, 63.2238, 103.2743)  
contains.

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# Color

**XYZ(67.3195, 63.2803,  
103.2739)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D9C8FF
RGB	217, 200, 255
RGB Percent	85%, 78%, 100%
CMY	0.1490, 0.2157, 0.0000
CMYK	0.15, 0.22, 0.00, 0.00
HSL	259°, 100%, 89%
HSV	259°, 22%, 100%
XYZ	67.3195, 63.2803, 103.2739
YIQ	211.3530, -7.5230, 20.7090

# Conversions

## Conversions Part 2

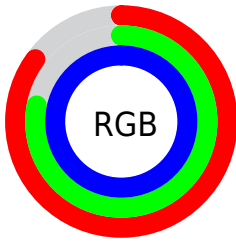
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	217, 200, 255
Decimal	14272767
CIE <sub>Lab</sub>	83.59, 16.43, -24.80
CIE <sub>LCh</sub>	84, 29.747, 303.524
Y <sub>xy</sub>	63.2803, 0.2878, 0.2706
Android (android.graphics.Color)	4292462847 (0xFFD9C8FF)
Y <sub>UV</sub>	211.3530, 21.5180, 4.9524
Hunter-Lab	79.5489, 11.8478, -21.2886

# Details

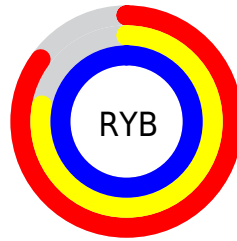
The XYZ color **67.3195, 63.2803, 103.2739** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **81.4467, 93.8680, 68.4722**, and the grayscale version is **62.0175, 65.2473, 71.0543**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **35.3722, 32.3164, 57.7994** is the 20% darker color. If you saturate the color by 10%, you get **56.9388, 49.8822, 101.2350**, and if you desaturate by 10%, it is **79.2478, 78.9415, 105.6682**.

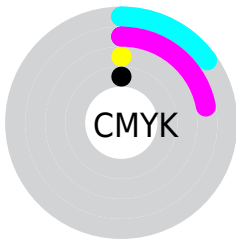
# Distribution



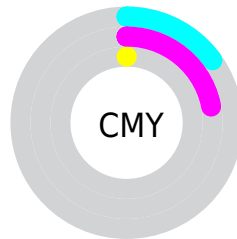
- Red (85%)
- Green (78%)
- Blue (100%)



- Red (85%)
- Yellow (78%)
- Blue (100%)



- Cyan (15%)
- Magenta (22%)
- Yellow (0%)
- Black (0%)



- Cyan (15%)
- Magenta (22%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 67.3195, 63.2803, 103.2739 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 67.3195, 63.2803, 103.2739 by changing the saturation by 10% instead.



67.3195, 63.2803,  
103.2739

67.3195, 63.2803,  
103.2739

440.4958,  
436.5860, 591.9750

49.6160, 46.0680,  
78.4054

114.4254,  
109.5738, 167.7400

35.3249, 32.2995,  
57.8887

144.5584,  
139.4238, 208.1748

24.0809, 21.5904,  
41.3050

179.5654,  
174.2551, 254.6354

15.5187, 13.5562,  
28.2360

219.8116,  
214.4522, 307.5404

9.2729, 7.8127,  
18.2631

265.6623,  
260.3995, 367.3083

4.9782, 3.9753,  
10.9676

317.4831,

2.2691, 1.6598,

312.4813, 434.3576

5.9312

375.6391,  
371.0820, 509.1070

■ 0.7788, 0.3974,  
2.7352

■ 0.0000, 0.0000,  
0.9611

■ 67.3195, 63.2803,  
103.2739

■ 67.3195, 63.2803,  
103.2739

■ 56.9388, 49.8822,  
101.2350

■ 79.2478, 78.9415,  
105.6682

■ 48.0341, 38.6329,  
99.5330

■ 92.7804, 96.9576,  
108.4324

■ 40.5357, 29.4196,  
98.1498

■ 95.0500, 100.0000,  
108.9000

■ 34.3661, 22.1157,  
97.0652

■ 29.4395, 16.5802,  
96.2564

■ 25.6588, 12.6518,  
95.6974

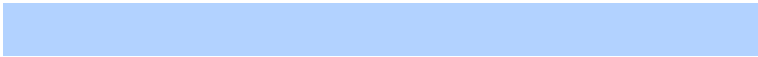
■ 22.9100, 10.1374,  
95.3570

■ 21.2589, 8.8742,  
95.2002

# Harmonies

## Analogous

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



60.9180, 63.2803, 111.1807



67.3195, 63.2803, 103.2739



72.0472, 63.2803, 86.1311

# Triad

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



67.3195, 63.2803, 103.2739



65.8945, 63.2803, 41.5608



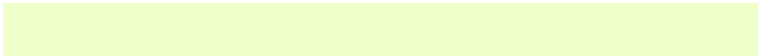
48.5091, 63.2803, 71.1264

# Complementary

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



67.3195, 63.2803, 103.2739



81.4467, 93.8680, 68.4722

# 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.



49.6334, 63.2803, 54.1379



67.3195, 63.2803, 103.2739



59.3807, 63.2803, 38.9832

# Square

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



67.3195, 63.2803, 103.2739



71.1837, 63.2803, 50.9558



53.5012, 63.2803, 43.1522



50.3127, 63.2803, 90.6319



# Rectangle

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



67.3195, 63.2803, 103.2739



73.4453, 63.2803, 73.0196



53.5012, 63.2803, 43.1522



48.5577, 63.2803, 64.9412

# Sweetspot

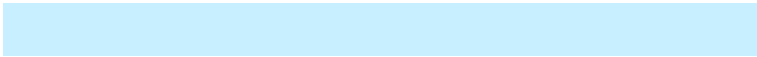
The Sweet Spot groups the original color and five complimentary colors.



67.3213, 63.2828, 103.2743



86.5790, 88.6736, 107.1602



72.5915, 80.9415, 106.4050



18.3418, 18.7272, 22.8979



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.



67.3213, 63.2828, 103.2743



62.5318, 57.0695, 102.3275



76.0140, 67.7641, 103.6811



17.5311, 17.6500, 22.7328



11.2416, 4.7058, 49.7504



1.2008, 0.5130, 4.8490



# Inverse Universe

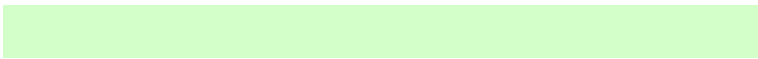
The Inverse Universe completely reimagines the original color for something new.



77.3284, 68.7440, 90.0843



74.2976, 63.4961, 86.5657



73.0510, 89.5398, 68.0793



18.5396, 18.1992, 21.4587



25.7233, 12.7786, 22.9910

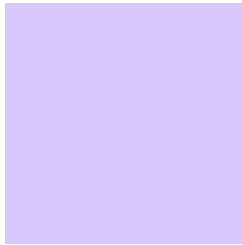


2.5536, 1.2638, 2.4968



# Previews

## White Background



This preview shows how the XYZ color 67.3195, 63.2803, 103.2739 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 67.3195, 63.2803, 103.2739 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

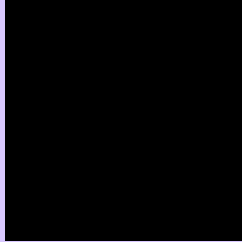
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 67.3195, 63.2803, 103.2739**

## **Background**



This preview shows how black text looks on a background with the XYZ color 67.3195, 63.2803, 103.2739.



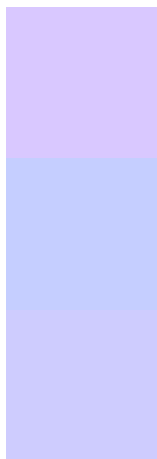
This preview shows how white text looks on a background with the XYZ color 67.3195, 63.2803,



# 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

67.3195, 63.2803, 103.2739

### Protanopia

63.1473, 63.2329, 103.4847

### Deuteranopia

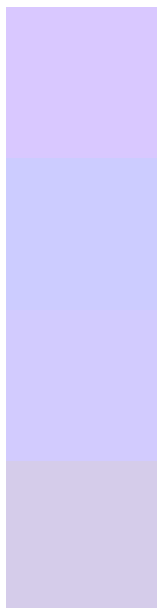
64.9359, 63.4633, 102.5931



## **Tritanopia**

62.1201, 63.2654, 78.0446

# Trichromacy



## Original Color

67.3195, 63.2803, 103.2739

## Protanomaly

64.5447, 63.2431, 103.4130

## Deuteranomaly

65.8237, 63.5693, 102.5667

## Tritanomaly

63.8847, 63.2724, 86.6876

# Monochromacy



## Original Color

67.3195, 63.2803, 103.2739

## Achromatopsia

61.9161, 65.1406, 70.9381

## Achromatomaly

63.6185, 64.3178, 81.7346

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 67.3195, 63.2803, 103.2739 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(217, 200, 255)` looks like.

```
.text, #text, p{  
    color:rgb(217, 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(217, 200, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 200, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 67.3195, 63.2803, 103.2739 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".

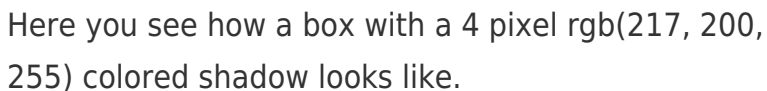
```
.border, #border, table{ border:4px solid rgb(217, 200, 255) }
```



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

```
.border{ border-color:rgb(217, 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(217, 200, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 200, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 200, 255);  
box-shadow:4px 4px 4px 4px rgb(217, 200,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 67.3195, 63.2803, 103.2739 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 200, 255) }
```

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

```
.background{ background-color: rgb(217,  
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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