

Converting Colors

XYZ(78.8946, 68.6615,
162.1639)

Have a look what the booklet for
XYZ(78.8946, 68.6615, 162.1639)
contains.

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Color

**XYZ(67.7858, 64.2128,
103.4293)**

Conversions

Conversions Part 1

Format	Color
Hex	D9CAFF
RGB	217, 202, 255
RGB Percent	85%, 79%, 100%
CMY	0.1490, 0.2078, 0.0000
CMYK	0.15, 0.21, 0.00, 0.00
HSL	257°, 100%, 90%
HSV	257°, 21%, 100%
XYZ	67.7858, 64.2128, 103.4293
YIQ	212.5270, -8.0730, 19.6630

Conversions

Conversions Part 2

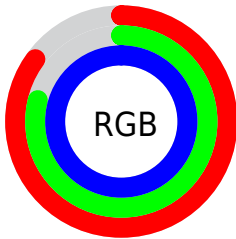
Format	Color
R _Y B	217, 202, 255
Decimal	14273279
CIE Lab	84.08, 15.36, -24.06
CIE LCh	84, 28.542, 302.552
Yxy	64.2128, 0.2879, 0.2727
Android (android.graphics.Color)	4292463359 (0xFFD9CAFF)
YUV	212.5270, 20.9392, 3.9228
Hunter-Lab	80.1329, 10.7637, -20.4339

Details

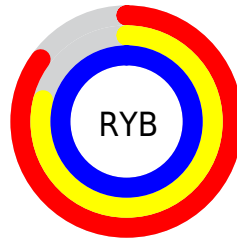
The XYZ color **67.7858, 64.2128, 103.4293** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **82.3572, 94.3102, 69.7431**, and the grayscale version is **62.8004, 66.0709, 71.9512**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **35.6832, 32.9384, 57.9031** is the 20% darker color. If you saturate the color by 10%, you get **57.1532, 50.5727, 101.3569**, and if you desaturate by 10%, it is **80.0128, 80.1456, 105.8603**.

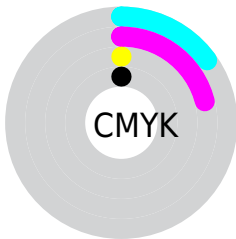
Distribution



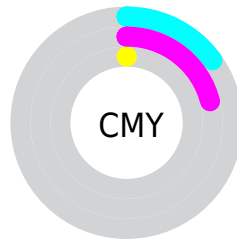
- Red (85%)
- Green (79%)
- Blue (100%)



- Red (85%)
- Yellow (79%)
- Blue (100%)



- Cyan (15%)
- Magenta (21%)
- Yellow (0%)
- Black (0%)



- Cyan (15%)
- Magenta (21%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 67.7858, 64.2128, 103.4293 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 67.7858, 64.2128, 103.4293 by changing the saturation by 10% instead.

67.7858, 64.2128,
103.4293

67.7858, 64.2128,
103.4293

442.1254,
439.9577, 592.4726

49.9965, 46.8231,
78.5348

115.0893,
110.9173, 167.9547

35.6284, 32.8958,
57.9943

145.3342,
141.0009, 208.4227

24.3161, 22.0466,
41.3894

180.4616,
176.0846, 254.9190

15.6943, 13.8912,
28.3015

220.8371,
216.5527, 307.8620

9.3976, 8.0450,
18.3120

266.8258,
262.7897, 367.6703

5.0606, 4.1238,
11.0025

318.7932,

2.3180, 1.7430,

315.1799, 434.7625

5.9543

377.1046,
374.1078, 509.5571

■ 0.8038, 0.4513,
2.7490

■ 0.0000, 0.0000,
0.9679

■ 67.7858, 64.2128,
103.4293

■ 67.7858, 64.2128,
103.4293

■ 57.1532, 50.5727,
101.3569

■ 80.0128, 80.1456,
105.8603

■ 48.0413, 39.1104,
99.6248

■ 93.8924, 98.4633,
108.6644

■ 40.3788, 29.7127,
98.2147

■ 95.0500, 100.0000,
108.9000

■ 34.0862, 22.2527,
97.1064

■ 29.0757, 16.5894,
96.2773

■ 25.2482, 12.5615,
95.7016

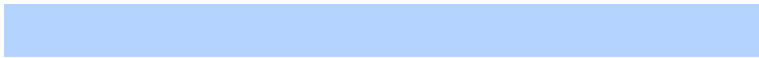
■ 22.4880, 9.9778,
95.3484

■ 20.7348, 8.6041,
95.1756

Harmonies

Analogous

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



61.5734, 64.2128, 110.6218



67.7858, 64.2128, 103.4293



72.4271, 64.2128, 87.1600

Triad

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



67.7858, 64.2128, 103.4293



66.7886, 64.2128, 43.4252



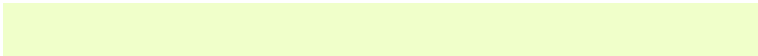
49.7119, 64.2128, 71.4733

Complementary

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



67.7858, 64.2128, 103.4293



82.3572, 94.3102, 69.7431

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.



50.9002, 64.2128, 55.1125



67.7858, 64.2128, 103.4293



60.4944, 64.2128, 40.6676

Square

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



67.7858, 64.2128, 103.4293



71.8241, 64.2128, 52.8603



54.7430, 64.2128, 44.5596



51.3797, 64.2128, 90.2966

Rectangle

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



67.7858, 64.2128, 103.4293



73.8504, 64.2128, 74.5113



54.7430, 64.2128, 44.5596



49.7906, 64.2128, 65.5152

Sweetspot

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



67.7876, 64.2154, 103.4298



86.4404, 88.6021, 107.1538



73.8246, 82.6097, 106.6620



18.3091, 18.7103, 22.8964



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.



67.7876, 64.2154, 103.4298



63.1123, 58.1886, 102.5129



76.0078, 68.4530, 103.8145



17.4857, 17.6266, 22.7306



10.9595, 4.5603, 49.7372



1.1685, 0.4963, 4.8475

Inverse Universe

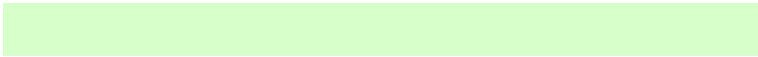
The Inverse Universe completely reimagines the original color for something new.



78.0902, 69.7947, 91.7959



75.2054, 64.7428, 88.6221



74.2610, 90.1364, 69.3642



18.5606, 18.2075, 21.5691



26.0732, 12.9186, 24.8338



2.5855, 1.2766, 2.6649

Previews

White Background



This preview shows how the XYZ color 67.7858, 64.2128, 103.4293 looks on a white background.

Color Contrast Check

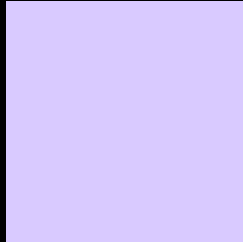
Large Text (above 18pt) WCAG AA × Fail

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 67.7858, 64.2128, 103.4293 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

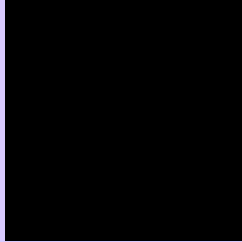
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 67.7858, 64.2128, 103.4293

Background



This preview shows how black text looks on a background with the XYZ color 67.7858, 64.2128, 103.4293.



This preview shows how white text looks on a background with the XYZ color 67.7858, 64.2128,

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

67.7858, 64.2128, 103.4293

Protanopia

64.1591, 64.4739, 103.6709

Deuteranopia

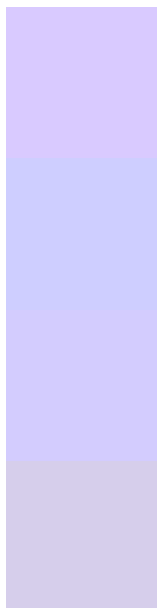
65.7331, 64.2283, 102.6987



Tritanopia

63.1618, 64.4906, 79.6400

Trichromacy



Original Color

67.7858, 64.2128, 103.4293

Protanomaly

65.5749, 64.4844, 103.5983

Deuteranomaly

66.3462, 64.1904, 102.6591

Tritanomaly

64.7983, 64.4369, 87.6196

Monochromacy



Original Color

67.7858, 64.2128, 103.4293

Achromatopsia

63.2451, 66.5387, 72.4607

Achromatomaly

64.5356, 65.4985, 82.6399

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.7858, 64.2128, 103.4293 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, 202, 255)` looks like.

```
.text, #text, p{  
    color:rgb(217, 202, 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, 202, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 202, 255) }
```

Border

The CSS property to change the border of an element to XYZ 67.7858, 64.2128, 103.4293 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, 202, 255) }
```


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

```
.border{ border-color:rgb(217, 202, 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, 202, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(217, 202, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(217, 202, 255); box-shadow:4px 4px 4px 4px rgb(217, 202, 255) }
```

Background

The CSS property to change the background color of an element to XYZ 67.7858, 64.2128, 103.4293 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 202, 255) }
```

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

```
.background{ background-color: rgb(217,  
202, 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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