

Converting Colors

XYZ(82.4793, 70.2170,
176.2534)

Have a look what the booklet for
XYZ(82.4793, 70.2170, 176.2534)
contains.

XYZ(68.6857, 64.6767, 103.4715)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(68.6857, 64.6767,
103.4715)**

Conversions

Conversions Part 1

Format	Color
Hex	DCCAFF
RGB	220, 202, 255
RGB Percent	86%, 79%, 100%
CMY	0.1372, 0.2078, 0.0000
CMYK	0.14, 0.21, 0.00, 0.00
HSL	260°, 100%, 90%
HSV	260°, 21%, 100%
XYZ	68.6857, 64.6767, 103.4715
YIQ	213.4240, -6.2850, 20.2990

Conversions

Conversions Part 2

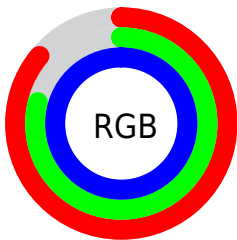
Format	Color
R _Y B	220, 202, 255
Decimal	14469887
CIE Lab	84.32, 16.29, -23.67
CIE LCh	84, 28.734, 304.535
Yxy	64.6767, 0.2900, 0.2731
Android (android.graphics.Color)	4292659967 (0xFFDCCAFF)
YUV	213.4240, 20.4970, 5.7672
Hunter-Lab	80.4218, 11.7129, -19.9878

Details

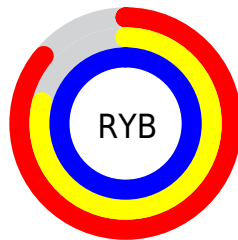
The XYZ color **68.6857, 64.6767, 103.4715** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **81.3472, 93.7895, 69.6958**, and the grayscale version is **63.4013, 66.7031, 72.6397**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **36.3000, 33.2564, 57.9320** is the 20% darker color. If you saturate the color by 10%, you get **58.3473, 51.1883, 101.4128**, and if you desaturate by 10%, it is **80.5298, 80.4121, 105.8845**.

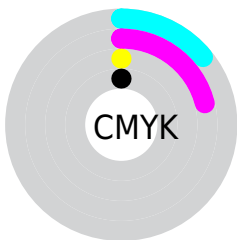
Distribution



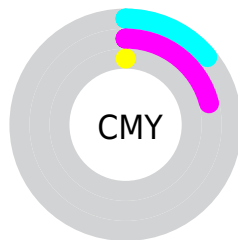
- Red (86%)
- Green (79%)
- Blue (100%)



- Red (86%)
- Yellow (79%)
- Blue (100%)



- Cyan (14%)
- Magenta (21%)
- Yellow (0%)
- Black (0%)



- Cyan (14%)
- Magenta (21%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.6857, 64.6767, 103.4715 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 68.6857, 64.6767, 103.4715 by changing the saturation by 10% instead.

68.6857, 64.6767,
103.4715

68.6857, 64.6767,
103.4715

445.2604,
441.6293, 592.6077

50.7315, 47.1990,
78.5699

116.3691,
111.5849, 168.0130

36.2151, 33.1930,
58.0230

146.8290,
141.7842, 208.4901

24.7713, 22.2743,
41.4123

182.1881,
176.9928, 254.9960

16.0346, 14.0586,
28.3193

222.8119,
217.5951, 307.9493

9.6396, 8.1614,
18.3254

269.0657,
263.9755, 367.7686

5.2211, 4.1984,
11.0120

321.3148,

2.4136, 1.7852,

316.5184, 434.8724

5.9606

379.9246,
375.6082, 509.6792

■ 0.8519, 0.4779,
2.7527

■ 0.0000, 0.0000,
0.9698

■ 68.6857, 64.6767,
103.4715

■ 68.6857, 64.6767,
103.4715

■ 58.3473, 51.1883,
101.4128

■ 80.5298, 80.4121,
105.8845

■ 49.4454, 39.8343,
99.6905

■ 93.9337, 98.4846,
108.6663

■ 41.9135, 30.5038,
98.2865

■ 95.0500, 100.0000,
108.9000

■ 35.6770, 23.0728,
97.1808

■ 30.6538, 17.4029,
96.3512

■ 26.7510, 13.3363,
95.7720

■ 23.8598, 10.6849,
95.4126

■ 21.9431, 9.2270,
95.2322

Harmonies

Analogous

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



62.4473, 64.6767, 111.5232



68.6857, 64.6767, 103.4715



73.2147, 64.6767, 86.6158

Triad

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



68.6857, 64.6767, 103.4715



66.8944, 64.6767, 43.2497



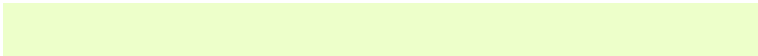
50.0481, 64.6767, 73.2336

Complementary

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



68.6857, 64.6767, 103.4715



81.3472, 93.7895, 69.6958

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.



51.0595, 64.6767, 56.3838



68.6857, 64.6767, 103.4715



60.5094, 64.6767, 40.9090

Square

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



68.6857, 64.6767, 103.4715



72.1313, 64.6767, 52.3401



54.7843, 64.6767, 45.2858



51.9205, 64.6767, 92.2516

Rectangle

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



68.6857, 64.6767, 103.4715



74.4972, 64.6767, 73.8177



54.7843, 64.6767, 45.2858



50.0632, 64.6767, 67.1320

Sweetspot

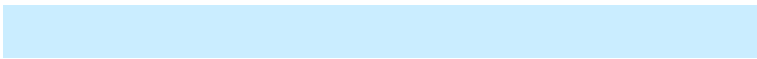
The Sweet Spot groups the original color and five complimentary colors.



68.6875, 64.6793, 103.4719



86.7417, 88.7575, 107.1679



72.7897, 80.5397, 106.3170



18.3802, 18.7470, 22.8997



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.



68.6875, 64.6793, 103.4719



64.1469, 58.7219, 102.5613



77.2365, 69.0865, 103.8720



17.5844, 17.6775, 22.7352



11.6081, 4.8947, 49.7675



1.2415, 0.5339, 4.8509

Inverse Universe

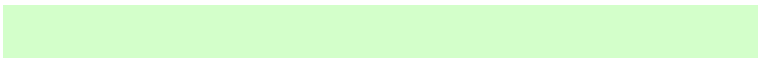
The Inverse Universe completely reimagines the original color for something new.



77.6481, 69.6179, 89.4679



74.6834, 64.5340, 85.8734



73.2386, 89.6094, 69.3164



18.5151, 18.1894, 21.3298



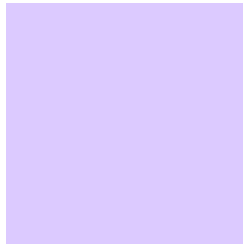
25.3341, 12.6229, 20.9418



2.5178, 1.2495, 2.3084

Previews

White Background



This preview shows how the XYZ color 68.6857, 64.6767, 103.4715 looks on a white background.

Color Contrast Check

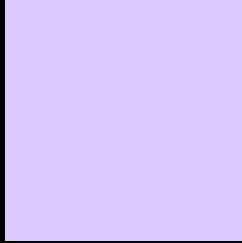
Large Text (above 18pt) WCAG AA × Fail

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 68.6857, 64.6767, 103.4715 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

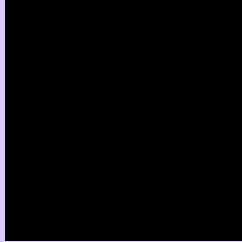
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 68.6857, 64.6767, 103.4715

Background



This preview shows how black text looks on a background with the XYZ color 68.6857, 64.6767, 103.4715.

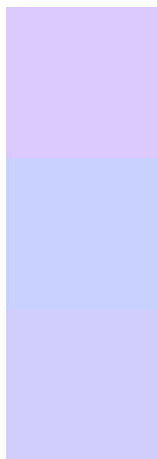


This preview shows how white text looks on a background with the XYZ color 68.6857, 64.6767,

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

68.6857, 64.6767, 103.4715

Protanopia

64.6699, 65.1003, 103.7649

Deuteranopia

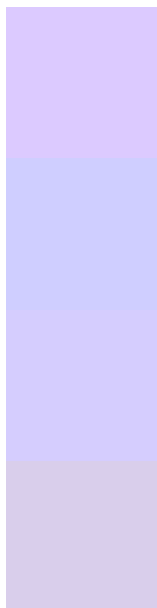
66.2552, 64.8537, 102.7919



Tritanopia

64.0348, 64.9406, 79.6808

Trichromacy



Original Color

68.6857, 64.6767, 103.4715

Protanomaly

65.8534, 64.6280, 103.6113

Deuteranomaly

67.1613, 64.9645, 102.7656

Tritanomaly

65.6820, 64.8925, 87.6610

Monochromacy



Original Color

68.6857, 64.6767, 103.4715

Achromatopsia

63.2451, 66.5387, 72.4607

Achromatomaly

65.1230, 65.8013, 82.6674

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.6857, 64.6767, 103.4715 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(220, 202, 255)` looks like.

```
.text, #text, p{  
    color:rgb(220, 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(220, 202, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 202, 255) }
```

Border

The CSS property to change the border of an element to XYZ 68.6857, 64.6767, 103.4715 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(220, 202, 255) }
```


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

```
.border{ border-color:rgb(220, 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(220, 202, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 202, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 202, 255);  
box-shadow:4px 4px 4px 4px rgb(220, 202,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 68.6857, 64.6767, 103.4715 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 202, 255) }
```

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

```
.background{ background-color: rgb(220,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor