

Converting Colors

XYZ(68.8031, 65.4384,
103.6123)

Have a look what the booklet for
XYZ(68.8031, 65.4384, 103.6123)
contains.

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Color

**XYZ(68.8563, 65.4658,
103.6148)**

Conversions

Conversions Part 1

Format	Color
Hex	DBCCFF
RGB	219, 204, 255
RGB Percent	86%, 80%, 100%
CMY	0.1412, 0.2000, 0.0000
CMYK	0.14, 0.20, 0.00, 0.00
HSL	258°, 100%, 90%
HSV	258°, 20%, 100%
XYZ	68.8563, 65.4658, 103.6148
YIQ	214.2990, -7.4310, 19.0410

Conversions

Conversions Part 2

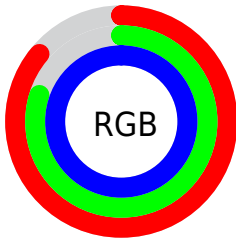
Format	Color
R _Y B	219, 204, 255
Decimal	14404863
CIE Lab	84.72, 14.91, -23.06
CIE LCh	85, 27.460, 302.884
Yxy	65.4658, 0.2894, 0.2751
Android (android.graphics.Color)	4292594943 (0xFFDBCCFF)
YUV	214.2990, 20.0656, 4.1228
Hunter-Lab	80.9109, 10.3118, -19.2893

Details

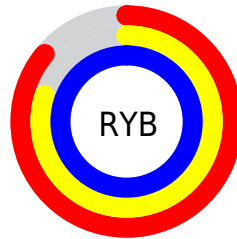
The XYZ color **68.8563, 65.4658, 103.6148** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **82.5956, 94.4055, 70.9986**, and the grayscale version is **63.9921, 67.3247, 73.3166**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **36.4092, 33.7824, 58.0278** is the 20% darker color. If you saturate the color by 10%, you get **58.1589, 51.6798, 101.5176**, and if you desaturate by 10%, it is **81.1352, 81.5434, 106.0709**.

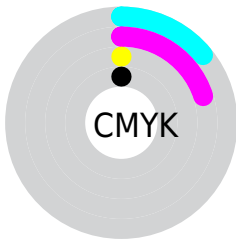
Distribution



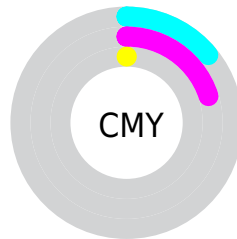
- Red (86%)
- Green (80%)
- Blue (100%)



- Red (86%)
- Yellow (80%)
- Blue (100%)



- Cyan (14%)
- Magenta (20%)
- Yellow (0%)
- Black (0%)



- Cyan (14%)
- Magenta (20%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.8563, 65.4658, 103.6148 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 68.8563, 65.4658, 103.6148 by changing the saturation by 10% instead.

68.8563, 65.4658,
103.6148

68.8563, 65.4658,
103.6148

445.8533,
444.4640, 593.0663

50.8709, 47.8389,
78.6892

116.6115,
112.7193, 168.2110

36.3265, 33.6993,
58.1205

147.1120,
143.1146, 208.7186

24.8577, 22.6627,
41.4902

182.5149,
178.5349, 255.2574

16.0993, 14.3446,
28.3797

223.1856,
219.3645, 308.2457

9.6857, 8.3608,
18.3706

269.4895,
265.9878, 368.1023

5.2517, 4.3266,
11.0442

321.7918,

2.4320, 1.8579,

318.7892, 435.2455

5.9820

380.4579,
378.1531, 510.0940

■ 0.8611, 0.5229,
2.7655

■ 0.0000, 0.0000,
0.9762

■ 68.8563, 65.4658,
103.6148

■ 68.8563, 65.4658,
103.6148

■ 58.1589, 51.6798,
101.5176

■ 81.1352, 81.5434,
106.0709

■ 48.9708, 40.0715,
99.7613

95.0500, 100.0000,
108.9000

■ 41.2220, 30.5289,
98.3278

■ 34.8346, 22.9268,
97.1971

■ 29.7226, 17.1258,
96.3468

■ 25.7895, 12.9676,
95.7515

■ 22.9226, 10.2642,
95.3808

■ 20.9516, 8.7159,
95.1858

■ 20.9513, 8.7157,
95.1858

Harmonies

Analogous

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



62.8192, 65.4658, 110.6663



68.8563, 65.4658, 103.6148



73.3351, 65.4658, 87.8309

Triad

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



68.8563, 65.4658, 103.6148



67.7615, 65.4658, 45.2212



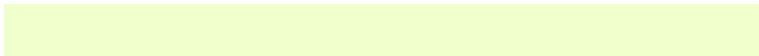
51.1606, 65.4658, 72.9958

Complementary

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



68.8563, 65.4658, 103.6148



82.5956, 94.4055, 70.9986

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.



52.2947, 65.4658, 56.9529



68.8563, 65.4658, 103.6148



61.6312, 65.4658, 42.5625

Square

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



68.8563, 65.4658, 103.6148



72.6743, 65.4658, 54.4534



56.0305, 65.4658, 46.4888



52.8255, 65.4658, 91.2612

Rectangle

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



68.8563, 65.4658, 103.6148



74.6899, 65.4658, 75.5527



56.0305, 65.4658, 46.4888



51.2273, 65.4658, 67.1737

Sweetspot

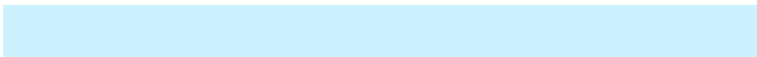
The Sweet Spot groups the original color and five complimentary colors.



68.8581, 65.4684, 103.6152



86.4994, 88.6325, 107.1565



74.2758, 82.7033, 106.6563



18.3230, 18.7175, 22.8971



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.



68.8581, 65.4684, 103.6152



64.3907, 59.6818, 102.7337



76.9352, 69.6323, 103.9932



17.5050, 17.6365, 22.7315



11.0762, 4.6205, 49.7426



1.1820, 0.5033, 4.8481

Inverse Universe

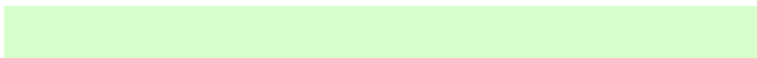
The Inverse Universe completely reimagines the original color for something new.



78.5625, 70.7394, 91.9533



75.7735, 65.8691, 88.8419



74.6998, 90.3351, 70.6290



18.5516, 18.2040, 21.5220



25.9222, 12.8582, 24.0386



2.5718, 1.2711, 2.5925

Previews

White Background



This preview shows how the XYZ color 68.8563, 65.4658, 103.6148 looks on a white background.

Color Contrast Check

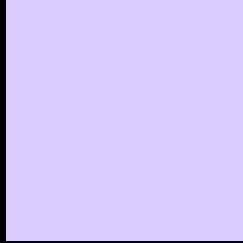
Large Text (above 18pt) WCAG AA × Fail

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 68.8563, 65.4658, 103.6148 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

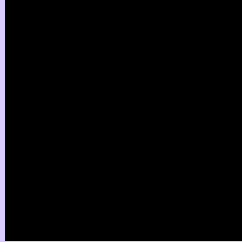
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 68.8563, 65.4658, 103.6148

Background



This preview shows how black text looks on a background with the XYZ color 68.8563, 65.4658, 103.6148.

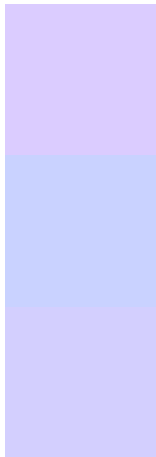


This preview shows how white text looks on a background with the XYZ color 68.8563, 65.4658,

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

68.8563, 65.4658, 103.6148

Protanopia

65.1840, 65.7307, 103.8595

Deuteranopia

67.0662, 65.6303, 102.8991



Tritanopia

64.2595, 65.3881, 81.1858

Trichromacy



Original Color

68.8563, 65.4658, 103.6148

Protanomaly

66.6183, 65.7416, 103.7860

Deuteranomaly

67.6923, 65.5945, 102.8592

Tritanomaly

65.9178, 65.3390, 89.2582

Monochromacy



Original Color

68.8563, 65.4658, 103.6148

Achromatopsia

63.9157, 67.2443, 73.2291

Achromatomaly

65.5084, 66.3493, 83.4828

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.8563, 65.4658, 103.6148 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(219, 204, 255)` looks like.

```
.text, #text, p{  
    color:rgb(219, 204, 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(219, 204, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 204, 255) }
```

Border

The CSS property to change the border of an element to XYZ 68.8563, 65.4658, 103.6148 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(219, 204, 255) }
```


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

```
.border{ border-color:rgb(219, 204, 255) }
```

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

Here you see how a box with a 4 pixel rgb(219, 204, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 204, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 204, 255);  
box-shadow:4px 4px 4px 4px rgb(219, 204,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 68.8563, 65.4658, 103.6148 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 204, 255) }
```

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

```
.background{ background-color: rgb(219,  
204, 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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