

Converting Colors

XYZ(69.2276, 66.2380,
112.4789)

Have a look what the booklet for
XYZ(69.2276, 66.2380, 112.4789)
contains.

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Color

**XYZ(67.5619, 65.5087,
103.6913)**

Conversions

Conversions Part 1

Format	Color
Hex	D5CEFF
RGB	213, 206, 255
RGB Percent	84%, 81%, 100%
CMY	0.1647, 0.1921, 0.0000
CMYK	0.16, 0.19, 0.00, 0.00
HSL	249°, 100%, 90%
HSV	249°, 19%, 100%
XYZ	67.5619, 65.5087, 103.6913
YIQ	213.6790, -11.5570, 16.7230

Conversions

Conversions Part 2

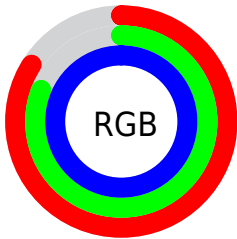
Format	Color
R _Y B	213, 206, 255
Decimal	14012159
CIE _{Lab}	84.75, 11.98, -23.07
CIE _{LCh}	85, 25.997, 297.447
Yxy	65.5087, 0.2854, 0.2767
Android (android.graphics.Color)	4292202239 (0xFFD5CEFF)
YUV	213.6790, 20.3713, -0.5955
Hunter-Lab	80.9374, 7.3610, -19.3019

Details

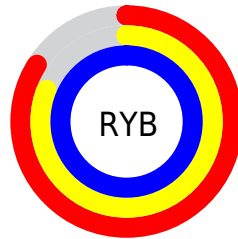
The XYZ color **67.5619, 65.5087, 103.6913** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **85.6132, 95.9332, 72.4001**, and the grayscale version is **63.5755, 66.8864, 72.8393**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **35.5218, 33.8028, 58.0785** is the 20% darker color. If you saturate the color by 10%, you get **55.9956, 51.1618, 101.5317**, and if you desaturate by 10%, it is **80.9822, 82.2931, 106.2237**.

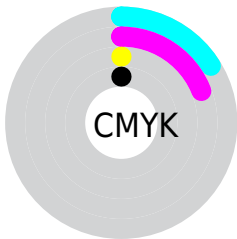
Distribution



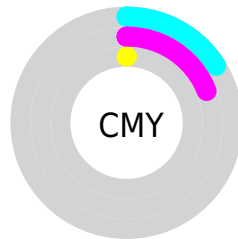
- Red (84%)
- Green (81%)
- Blue (100%)



- Red (84%)
- Yellow (81%)
- Blue (100%)



- Cyan (16%)
- Magenta (19%)
- Yellow (0%)
- Black (0%)



- Cyan (16%)
- Magenta (19%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 67.5619, 65.5087, 103.6913 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 67.5619, 65.5087, 103.6913 by changing the saturation by 10% instead.

67.5619, 65.5087,
103.6913

67.5619, 65.5087,
103.6913

441.3433,
444.6178, 593.3111

49.8138, 47.8737,
78.7529

114.7705,
112.7809, 168.3167

35.4826, 33.7269,
58.1725

144.9618,
143.1869, 208.8406

24.2032, 22.6839,
41.5317

180.0314,
178.6186, 255.3969

15.6099, 14.3602,
28.4120

220.3448,
219.4605, 308.4040

9.3377, 8.3716,
18.3947

266.2674,
266.0970, 368.2804

5.0209, 4.3337,
11.0614

318.1644,

2.2944, 1.8619,

318.9124, 435.4447

5.9934

376.4013,
378.2912, 510.3154

■ 0.7918, 0.5253,
2.7724

■ 0.0000, 0.0000,
0.9796

■ 67.5619, 65.5087,
103.6913

■ 67.5619, 65.5087,
103.6913

■ 55.9956, 51.1618,
101.5317

■ 80.9822, 82.2931,
106.2237

■ 46.1960, 39.1310,
99.7260

95.0500, 100.0000,
108.9000

■ 38.0767, 29.2966,
98.2557

■ 31.5419, 21.5247,
97.1000

■ 26.4861, 15.6667,
96.2357

■ 22.7905, 11.5540,
95.6367

■ 20.3170, 8.9878,
95.2717

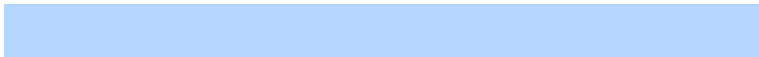
■ 18.8763, 7.6783,
95.0949

■ 18.7924, 7.6027,
95.0847

Harmonies

Analogous

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



61.7672, 65.5087, 108.3444



67.5619, 65.5087, 103.6913



72.1734, 65.5087, 89.9858

Triad

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



67.5619, 65.5087, 103.6913



68.4772, 65.5087, 47.5955



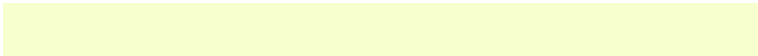
51.7473, 65.5087, 69.9105

Complementary

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



67.5619, 65.5087, 103.6913



85.6132, 95.9332, 72.4001

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.



53.3060, 65.5087, 55.4455



67.5619, 65.5087, 103.6913



62.7636, 65.5087, 43.8787

Square

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



67.5619, 65.5087, 103.6913



72.7246, 65.5087, 57.5612



57.2507, 65.5087, 46.5143



52.8580, 65.5087, 87.1311

Rectangle

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



67.5619, 65.5087, 103.6913



73.8296, 65.5087, 78.5176



57.2507, 65.5087, 46.5143



51.9742, 65.5087, 64.5909

Sweetspot

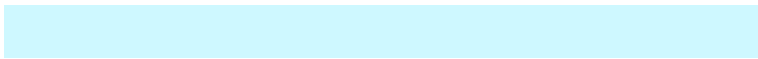
The Sweet Spot groups the original color and five complimentary colors.



67.5637, 65.5113, 103.6917



85.7005, 88.2206, 107.1191



77.2161, 87.7649, 107.4783



18.1347, 18.6204, 22.8882



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.



67.5637, 65.5113, 103.6917



62.9706, 59.7983, 102.8311



75.0591, 69.3753, 104.0425



17.2443, 17.5022, 22.7193



9.8919, 4.0100, 49.6872



1.0323, 0.4261, 4.8411

Inverse Universe

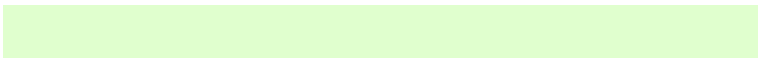
The Inverse Universe completely reimagines the original color for something new.



80.2559, 72.1822, 98.5110



77.7893, 67.5901, 96.6371



77.6321, 91.8189, 72.0265



18.6745, 18.2531, 22.1691



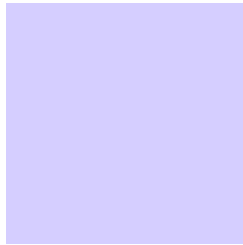
28.2436, 13.7867, 36.2628



2.7792, 1.3541, 3.6848

Previews

White Background



This preview shows how the XYZ color 67.5619, 65.5087, 103.6913 looks on a white background.

Color Contrast Check

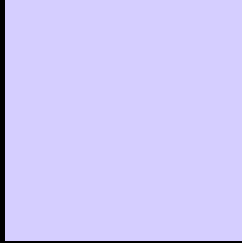
Large Text (above 18pt) WCAG AA × Fail

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 67.5619, 65.5087, 103.6913 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

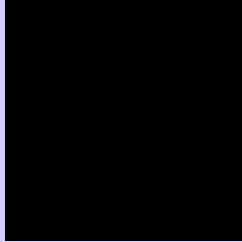
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 67.5619, 65.5087, 103.6913

Background



This preview shows how black text looks on a background with the XYZ color 67.5619, 65.5087, 103.6913.

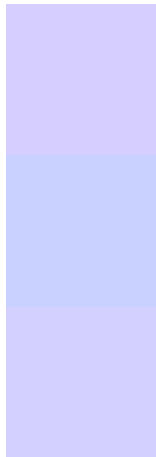


This preview shows how white text looks on a background with the XYZ color 67.5619, 65.5087,

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

67.5619, 65.5087, 103.6913

Protanopia

65.1840, 65.7307, 103.8595

Deuteranopia

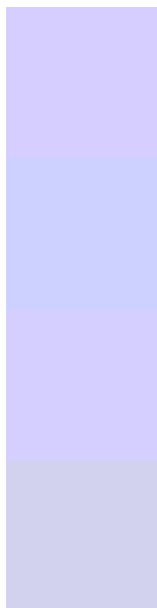
67.2268, 65.6945, 103.7448



Tritanopia

63.3103, 65.5999, 82.7240

Trichromacy



Original Color

67.5619, 65.5087, 103.6913

Protanomaly

66.0273, 65.8001, 103.8284

Deuteranomaly

67.5142, 65.8427, 103.7583

Tritanomaly

64.8114, 65.4756, 90.1110

Monochromacy



Original Color

67.5619, 65.5087, 103.6913

Achromatopsia

63.9157, 67.2443, 73.2291

Achromatomaly

65.1687, 66.5418, 83.5378

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.5619, 65.5087, 103.6913 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(213, 206, 255)` looks like.

```
.text, #text, p{  
    color:rgb(213, 206, 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(213, 206, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 206, 255) }
```

Border

The CSS property to change the border of an element to XYZ 67.5619, 65.5087, 103.6913 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(213, 206, 255) }
```


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

```
.border{ border-color:rgb(213, 206, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(213, 206, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 206, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 206, 255);  
box-shadow:4px 4px 4px 4px rgb(213, 206,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 67.5619, 65.5087, 103.6913 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 206, 255) }
```

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

```
.background{ background-color: rgb(213,  
206, 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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