

Converting Colors

XYZ(67.8700, 66.1266,
114.3259)

Have a look what the booklet for
XYZ(67.8700, 66.1266, 114.3259)
contains.

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Color

**XYZ(65.7827, 65.3109,
103.7469)**

Conversions

Conversions Part 1

Format	Color
Hex	CDD0FF
RGB	205, 208, 255
RGB Percent	80%, 82%, 100%
CMY	0.1961, 0.1843, 0.0000
CMYK	0.20, 0.18, 0.00, 0.00
HSL	236°, 100%, 90%
HSV	236°, 20%, 100%
XYZ	65.7827, 65.3109, 103.7469
YIQ	212.4610, -16.8750, 13.9810

Conversions

Conversions Part 2

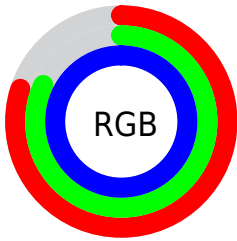
Format	Color
R_{YB}	205, 208, 255
Decimal	13488383
CIE _{Lab}	84.64, 8.47, -23.28
CIE _{LCh}	85, 24.773, 289.988
Yxy	65.3109, 0.2801, 0.2781
Android (android.graphics.Color)	4291678463 (0xFFCDD0FF)
YUV	212.4610, 20.9717, -6.5433
Hunter-Lab	80.8152, 3.8706, -19.5432

Details

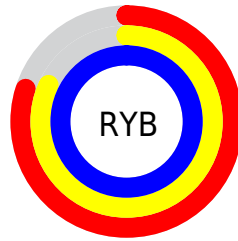
The XYZ color **65.7827, 65.3109, 103.7469** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **87.0695, 95.2875, 71.5625**, and the grayscale version is **62.7604, 66.0288, 71.9054**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **34.3263, 33.6724, 58.1163** is the 20% darker color. If you saturate the color by 10%, you get **53.9047, 51.1595, 101.6414**, and if you desaturate by 10%, it is **79.6938, 81.8246, 106.2011**.

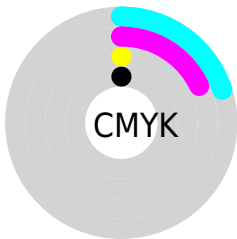
Distribution



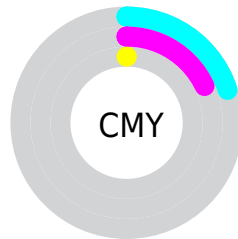
- Red (80%)
- Green (82%)
- Blue (100%)



- Red (80%)
- Yellow (82%)
- Blue (100%)



- Cyan (20%)
- Magenta (18%)
- Yellow (0%)
- Black (0%)



- Cyan (20%)
- Magenta (18%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 65.7827, 65.3109, 103.7469 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 65.7827, 65.3109, 103.7469 by changing the saturation by 10% instead.

■ 65.7827, 65.3109,
103.7469

■ 65.7827, 65.3109,
103.7469

435.1002,
443.9084, 593.4889

■ 48.3631, 47.7132,
78.7991

112.2339,
112.4967, 168.3934

■ 34.3269, 33.5998,
58.2103

141.9961,
142.8536, 208.9293

■ 23.3090, 22.5864,
41.5620

176.6032,
178.2324, 255.4983

■ 14.9438, 14.2884,
28.4354

216.4207,
219.0175, 308.5189

■ 8.8660, 8.3215,
18.4123

261.8137,
265.5933, 368.4098

■ 4.7103, 4.3014,
11.0739

313.1478,

■ 2.1113, 1.8435,

318.3440, 435.5894

6.0018

370.7882,
377.6543, 510.4762

■ 0.6953, 0.5141,
2.7773

■ 0.0000, 0.0000,
0.9821

■ 65.7827, 65.3109,
103.7469

■ 65.7827, 65.3109,
103.7469

■ 53.9047, 51.1595,
101.6414

■ 79.6938, 81.8246,
106.2011

■ 43.9593, 39.2550,
99.8678

95.0500, 100.0000,
108.9000

■ 35.8458, 29.4841,
98.4095

■ 29.4522, 21.7205,
97.2479

■ 24.6542, 15.8245,
96.3628

■ 21.3105, 11.6385,
95.7310

■ 19.2553, 8.9789,
95.3260

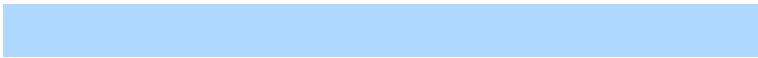
■ 18.2516, 7.6046,
95.1136

■ 18.2252, 7.5705,
95.1084

Harmonies

Analogous

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



60.2455, 65.3109, 105.5202



65.7827, 65.3109, 103.7469



70.5828, 65.3109, 92.5473

Triad

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



65.7827, 65.3109, 103.7469



69.1678, 65.3109, 50.2428



52.1812, 65.3109, 65.9477

Complementary

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



65.7827, 65.3109, 103.7469



87.0695, 95.2875, 71.5625

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.



54.2818, 65.3109, 53.2726



65.7827, 65.3109, 103.7469



63.9434, 65.3109, 45.1383

Square

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



65.7827, 65.3109, 103.7469



72.6162, 65.3109, 61.2013



58.5113, 65.3109, 46.1584



52.6086, 65.3109, 82.0398

Rectangle

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



65.7827, 65.3109, 103.7469



72.6145, 65.3109, 82.0529



58.5113, 65.3109, 46.1584



52.6100, 65.3109, 61.1905

Sweetspot

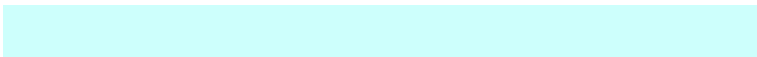
The Sweet Spot groups the original color and five complimentary colors.



65.7845, 65.3135, 103.7473



85.2259, 88.3779, 107.1745



78.4555, 91.5067, 105.3464



18.0230, 18.6574, 22.9013



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.



65.7845, 65.3135, 103.7473



60.3210, 58.8113, 102.7802



71.4559, 67.1609, 103.8050



17.0905, 17.5527, 22.7372



9.5568, 4.0232, 49.7074



0.9599, 0.4504, 4.8496

Inverse Universe

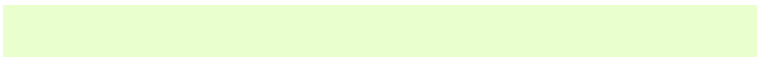
The Inverse Universe completely reimagines the original color for something new.



74.4577, 69.4782, 69.1637



70.6198, 63.8076, 61.7029



80.4933, 93.3079, 71.5270



18.0536, 18.0047, 18.8994



21.6120, 11.1341, 1.3415



2.1191, 1.0900, 0.2086

Previews

White Background



This preview shows how the XYZ color 65.7827, 65.3109, 103.7469 looks on a white background.

Color Contrast Check

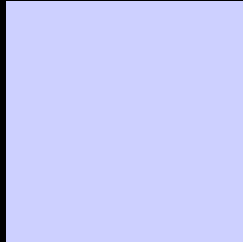
Large Text (above 18pt) WCAG AA × Fail

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 65.7827, 65.3109, 103.7469 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

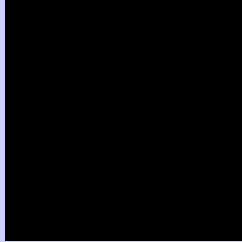
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 65.7827, 65.3109, 103.7469

Background



This preview shows how black text looks on a background with the XYZ color 65.7827, 65.3109, 103.7469.

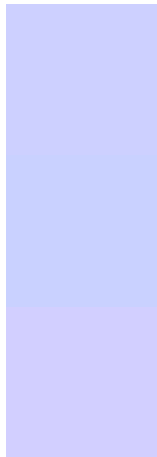


This preview shows how white text looks on a background with the XYZ color 65.7827, 65.3109,

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

65.7827, 65.3109, 103.7469

Protanopia

64.9379, 65.2384, 103.7774

Deuteranopia

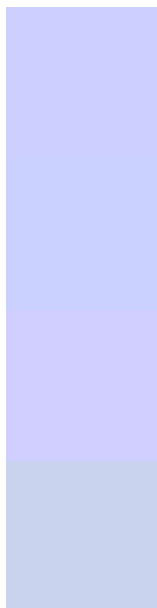
66.9412, 65.5473, 103.7315



Tritanopia

61.5058, 65.0235, 83.4378

Trichromacy



Original Color

65.7827, 65.3109, 103.7469

Protanomaly

65.2076, 65.3775, 103.7900

Deuteranomaly

66.3752, 65.2555, 103.7050

Tritanomaly

63.0840, 65.3181, 90.1717

Monochromacy



Original Color

65.7827, 65.3109, 103.7469

Achromatopsia

62.5785, 65.8375, 71.6970

Achromatomaly

63.5924, 65.7453, 82.7372

CSS Examples

Text

The CSS property to change the color of the text to XYZ 65.7827, 65.3109, 103.7469 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(205, 208, 255)` looks like.

```
.text, #text, p{  
    color:rgb(205, 208, 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(205, 208, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 208, 255) }
```

Border

The CSS property to change the border of an element to XYZ 65.7827, 65.3109, 103.7469 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(205, 208, 255) }
```


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

```
.border{ border-color:rgb(205, 208, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 208, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 208, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 208, 255);  
box-shadow:4px 4px 4px 4px rgb(205, 208,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 65.7827, 65.3109, 103.7469 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 208, 255) }
```

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

```
.background{ background-color: rgb(205,  
208, 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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