

Converting Colors

XYZ(67.1938, 68.5413,
104.2960)

Have a look what the booklet for
XYZ(67.1938, 68.5413, 104.2960)
contains.

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Color

**XYZ(67.2523, 68.6582,
104.3155)**

Conversions

Conversions Part 1

Format	Color
Hex	CCD7FF
RGB	204, 215, 255
RGB Percent	80%, 84%, 100%
CMY	0.2000, 0.1568, 0.0000
CMYK	0.20, 0.16, 0.00, 0.00
HSL	227°, 100%, 90%
HSV	227°, 20%, 100%
XYZ	67.2523, 68.6582, 104.3155
YIQ	216.2710, -19.3960, 10.1080

Conversions

Conversions Part 2

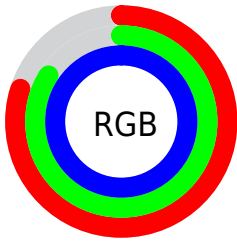
Format	Color
RYB	204, 213, 255
Decimal	13424639
CIELab	86.33, 4.45, -20.72
CIELCh	86, 21.197, 282.117
Yxy	68.6582, 0.2800, 0.2858
Android (android.graphics.Color)	4291614719 (0xFFCCD7FF)
YUV	216.2710, 19.0934, -10.7617
Hunter-Lab	82.8602, -0.1285, -16.6400

Details

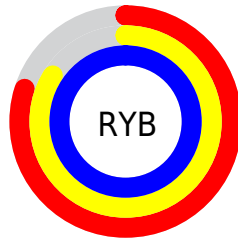
The XYZ color **67.2523, 68.6582, 104.3155** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **84.4897, 90.3203, 70.1091**, and the grayscale version is **65.3399, 68.7427, 74.8608**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **35.1583, 35.6084, 58.4461** is the 20% darker color. If you saturate the color by 10%, you get **56.0421, 55.7772, 102.4201**, and if you desaturate by 10%, it is **80.2331, 83.3795, 106.4728**.

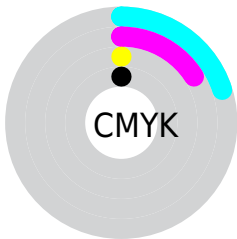
Distribution



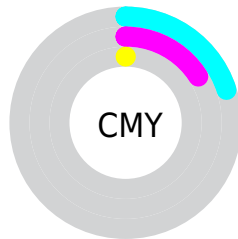
- Red (80%)
- Green (84%)
- Blue (100%)



- Red (80%)
- Yellow (84%)
- Blue (100%)



- Cyan (20%)
- Magenta (16%)
- Yellow (0%)
- Black (0%)



- Cyan (20%)
- Magenta (16%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 67.2523, 68.6582, 104.3155 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 67.2523, 68.6582, 104.3155 by changing the saturation by 10% instead.

■ 67.2523, 68.6582,
104.3155

■ 67.2523, 68.6582,
104.3155

440.2607,
455.8245, 595.3062

■ 49.5611, 50.4334,
79.2726

114.3297,
117.2933, 169.1785

■ 35.2812, 35.7579,
58.5973

144.4466,
148.4723, 209.8357

■ 24.0471, 24.2473,
41.8711

179.4361,
184.7382, 256.5347

■ 15.4935, 15.5171,
28.6756

219.6636,
226.4754, 309.6941

■ 9.2550, 9.1831,
18.5921

265.4945,
274.0682, 369.7324

■ 4.9663, 4.8608,
11.2021

317.2941,

■ 2.2621, 2.1658,

327.9011, 437.0682

6.0870

375.4277,
388.3584, 512.1199

■ 0.7752, 0.7013,
2.8284

■ 0.0000, 0.0000,
1.0077

■ 67.2523, 68.6582,
104.3155

■ 67.2523, 68.6582,
104.3155

■ 56.0421, 55.7772,
102.4201

■ 80.2331, 83.3795,
106.4728

■ 46.5187, 44.6551,
100.7752

95.0500, 100.0000,
108.9000

■ 38.6001, 35.2159,
99.3707

■ 32.1950, 27.3753,
98.1948

■ 27.2024, 21.0408,
97.2353

■ 23.5086, 16.1102,
96.4783

■ 20.9803, 12.4669,
95.9083

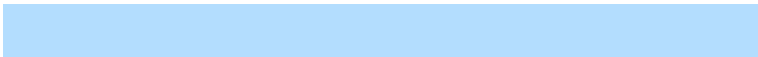
■ 19.4168, 9.9536,
95.5056

■ 19.4167, 9.9534,
95.5056

Harmonies

Analogous

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



62.4111, 68.6582, 103.4420



67.2523, 68.6582, 104.3155



71.7724, 68.6582, 96.5770

Triad

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



67.2523, 68.6582, 104.3155



72.4878, 68.6582, 58.1045



56.7075, 68.6582, 66.7849

Complementary

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



67.2523, 68.6582, 104.3155



84.4897, 90.3203, 70.1091

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.



59.1494, 68.6582, 56.4993



67.2523, 68.6582, 104.3155



68.1893, 68.6582, 51.9356

Square

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



67.2523, 68.6582, 104.3155



74.8947, 68.6582, 69.2430



63.3027, 68.6582, 51.3872



56.4848, 68.6582, 80.5565

Rectangle

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



67.2523, 68.6582, 104.3155



73.9314, 68.6582, 88.0789



63.3027, 68.6582, 51.3872



57.2902, 68.6582, 62.8513

Sweetspot

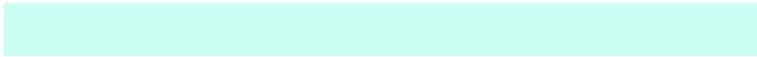
The Sweet Spot groups the original color and five complimentary colors.



67.2542, 68.6609, 104.3159



85.9342, 89.7944, 107.4106



76.9843, 90.8864, 99.0340



18.1898, 18.9909, 22.9569



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.



67.2542, 68.6609, 104.3159



62.5603, 63.2897, 103.5266



68.6924, 65.3824, 103.6073



17.3206, 18.0128, 22.8139



10.2334, 5.3764, 49.9330



1.0720, 0.6748, 4.8870

Inverse Universe

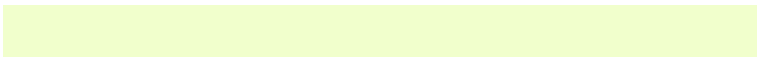
The Inverse Universe completely reimagines the original color for something new.



75.0999, 69.3537, 73.7214



71.7501, 64.2597, 67.6548



82.7819, 94.5016, 71.0062



18.1697, 18.0512, 19.5109



21.9535, 11.2707, 3.1399



2.1757, 1.1127, 0.5068

Previews

White Background



This preview shows how the XYZ color 67.2523, 68.6582, 104.3155 looks on a white background.

Color Contrast Check

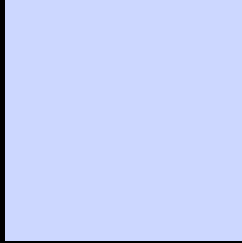
Large Text (above 18pt) WCAG AA × Fail

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 67.2523, 68.6582, 104.3155 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

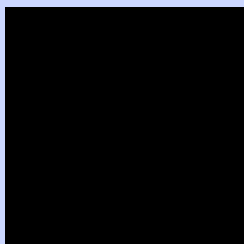
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 67.2523, 68.6582, 104.3155

Background



This preview shows how black text looks on a background with the XYZ color 67.2523, 68.6582, 104.3155.

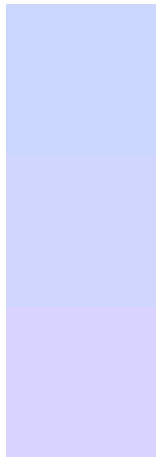


This preview shows how white text looks on a background with the XYZ color 67.2523, 68.6582,

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

67.2523, 68.6582, 104.3155

Protanopia

67.9484, 68.6588, 103.4371

Deuteranopia

69.9595, 68.5602, 104.1539



Tritanopia

64.0311, 68.4783, 89.1997

Trichromacy



Original Color

67.2523, 68.6582, 104.3155

Protanomaly

67.6681, 68.5143, 103.4240

Deuteranomaly

68.7449, 68.3040, 104.1685

Tritanomaly

65.0779, 68.5143, 94.5886

Monochromacy



Original Color

67.2523, 68.6582, 104.3155

Achromatopsia

65.2694, 68.6685, 74.7800

Achromatomaly

65.9902, 68.8220, 84.6688

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.2523, 68.6582, 104.3155 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(204, 215, 255)` looks like.

```
.text, #text, p{  
    color:rgb(204, 215, 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(204, 215, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 215, 255) }
```

Border

The CSS property to change the border of an element to XYZ 67.2523, 68.6582, 104.3155 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(204, 215, 255) }
```


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

```
.border{ border-color:rgb(204, 215, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 215, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 215, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 215, 255);  
box-shadow:4px 4px 4px 4px rgb(204, 215,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 67.2523, 68.6582, 104.3155 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 215, 255) }
```

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

```
.background{ background-color: rgb(204,  
215, 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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