

Converting Colors

XYZ(67.9025, 69.6804,
106.2965)

Have a look what the booklet for
XYZ(67.9025, 69.6804, 106.2965)
contains.

XYZ(67.4915, 69.5422, 104.4736)	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(67.4915, 69.5422,
104.4736)**

Conversions

Conversions Part 1

Format	Color
Hex	<code>CBD9FF</code>
RGB	<code>203, 217, 255</code>
RGB Percent	<code>80%, 85%, 100%</code>
CMY	<code>0.2039, 0.1490, 0.0000</code>
CMYK	<code>0.20, 0.15, 0.00, 0.00</code>
HSL	<code>224°, 100%, 90%</code>
HSV	<code>224°, 20%, 100%</code>
XYZ	<code>67.4915, 69.5422, 104.4736</code>
YIQ	<code>217.1460, -20.5420, 8.8500</code>

Conversions

Conversions Part 2

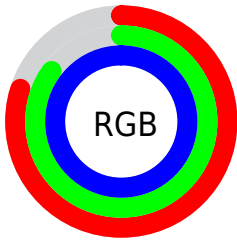
Format	Color
R _Y B	203, 214, 255
Decimal	13359615
CIE Lab	86.77, 3.09, -20.07
CIE LCh	87, 20.307, 278.758
Yxy	69.5422, 0.2795, 0.2880
Android (android.graphics.Color)	4291549695 (0xFFCBD9FF)
YUV	217.1460, 18.6620, -12.4060
Hunter-Lab	83.3920, -1.4708, -15.9042

Details

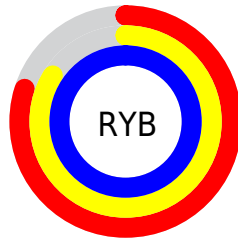
The XYZ color **67.4915, 69.5422, 104.4736** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **83.4747, 88.4817, 69.1809**, and the grayscale version is **65.9412, 69.3753, 75.5497**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **35.3261, 36.2138, 58.5542** is the 20% darker color. If you saturate the color by 10%, you get **56.5752, 57.1843, 102.6636**, and if you desaturate by 10%, it is **80.0960, 83.5790, 106.5186**.

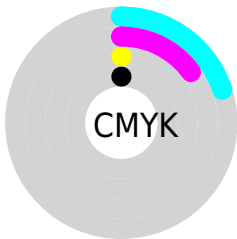
Distribution



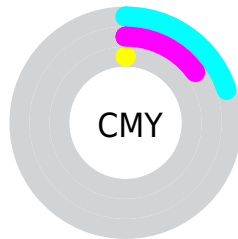
- Red (80%)
- Green (85%)
- Blue (100%)



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



- Cyan (20%)
- Magenta (15%)
- Yellow (0%)
- Black (0%)



- Cyan (20%)
- Magenta (15%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 67.4915, 69.5422, 104.4736 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 67.4915, 69.5422, 104.4736 by changing the saturation by 10% instead.

■ 67.4915, 69.5422,
104.4736

■ 67.4915, 69.5422,
104.4736

441.0973,
458.9409, 595.8109

■ 49.7563, 51.1534,
79.4042

114.6703,
118.5557, 169.3968

■ 35.4368, 36.3307,
58.7049

144.8447,
149.9491, 210.0876

■ 24.1676, 24.6897,
41.9572

179.8961,
186.4463, 256.8227

■ 15.5834, 15.8460,
28.7425

220.1900,
228.4315, 310.0207

■ 9.3188, 9.4153,
18.6422

266.0917,
276.2892, 370.0999

■ 5.0085, 5.0130,
11.2378

317.9666,

■ 2.2871, 2.2549,

330.4037, 437.4790

6.1109

376.1800,
391.1595, 512.5765

■ 0.7880, 0.7497,
2.8427

■ 0.0000, 0.0000,
1.0149

■ 67.4915, 69.5422,
104.4736

■ 67.4915, 69.5422,
104.4736

■ 56.5752, 57.1843,
102.6636

■ 80.0960, 83.5790,
106.5186

■ 47.2678, 46.4323,
101.0788

94.4522, 99.3474,
108.8056

■ 39.4916, 37.2201,
99.7105

95.0500, 100.0000,
108.9000

■ 33.1603, 29.4732,
98.5489

■ 28.1784, 23.1107,
97.5834

■ 24.4379, 18.0428,
96.8023

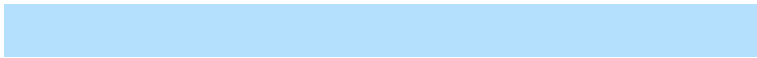
■ 21.8122, 14.1674,
96.1927

■ 20.1576, 11.4352,
95.7525

Harmonies

Analogous

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



62.8588, 69.5422, 102.6682



67.4915, 69.5422, 104.4736



71.9533, 69.5422, 97.8885

Triad

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



67.4915, 69.5422, 104.4736



73.4426, 69.5422, 60.5634



57.9822, 69.5422, 66.6738

Complementary

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



67.4915, 69.5422, 104.4736



83.4747, 88.4817, 69.1809

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.



60.5689, 69.5422, 57.1792



67.4915, 69.5422, 104.4736



69.4462, 69.5422, 53.9548

Square

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



67.4915, 69.5422, 104.4736



75.4950, 69.5422, 71.8246



64.7234, 69.5422, 52.7943



57.5146, 69.5422, 79.7530

Rectangle

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



67.4915, 69.5422, 104.4736



74.1782, 69.5422, 90.0403



64.7234, 69.5422, 52.7943



58.6266, 69.5422, 63.0041

Sweetspot

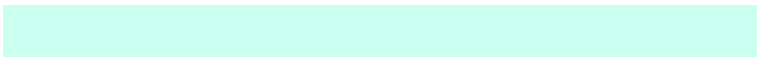
The Sweet Spot groups the original color and five complimentary colors.



67.4934, 69.5449, 104.4740



86.1799, 90.2858, 107.4925



76.1574, 90.5241, 96.1056



18.2477, 19.1068, 22.9762



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.



67.4934, 69.5449, 104.4740



63.3625, 64.8943, 103.7940



67.2168, 64.2699, 103.4704



17.4009, 18.1734, 22.8406



10.6373, 6.1841, 50.0676



1.1214, 0.7734, 4.9035

Inverse Universe

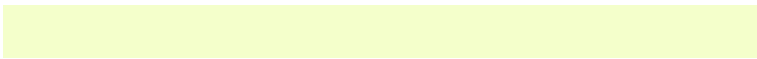
The Inverse Universe completely reimagines the original color for something new.



75.1216, 68.9833, 75.0045



72.1550, 64.4217, 69.7872



83.7558, 95.0175, 70.4276



18.2102, 18.0674, 19.7243



22.1574, 11.3522, 4.2133



2.2006, 1.1226, 0.6379

Previews

White Background



This preview shows how the XYZ color 67.4915, 69.5422, 104.4736 looks on a white background.

Color Contrast Check

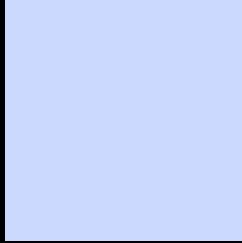
Large Text (above 18pt) WCAG AA × Fail

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 67.4915, 69.5422, 104.4736 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

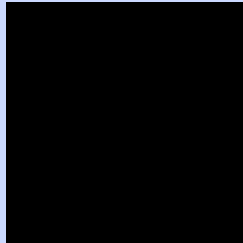
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 67.4915, 69.5422, 104.4736

Background



This preview shows how black text looks on a background with the XYZ color 67.4915, 69.5422, 104.4736.



This preview shows how white text looks on a background with the XYZ color 67.4915, 69.5422,

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

67.4915, 69.5422, 104.4736

Protanopia

68.7682, 69.4583, 103.5482

Deuteranopia

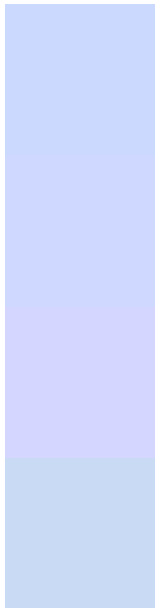
70.8069, 69.3670, 104.2650



Tritanopia

64.6987, 69.5802, 90.1411

Trichromacy



Original Color

67.4915, 69.5422, 104.4736

Protanomaly

68.1774, 69.5329, 103.5938

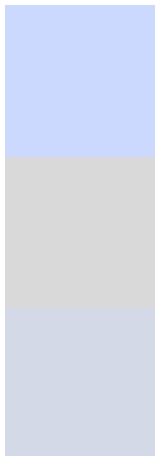
Deuteranomaly

69.5371, 69.4593, 104.3497

Tritanomaly

65.7480, 69.6122, 95.5592

Monochromacy



Original Color

67.4915, 69.5422, 104.4736

Achromatopsia

65.9525, 69.3872, 75.5626

Achromatomaly

66.3880, 69.3923, 85.4963

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.4915, 69.5422, 104.4736 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(203, 217, 255)` looks like.

```
.text, #text, p{  
    color:rgb(203, 217, 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(203, 217, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 217, 255) }
```

Border

The CSS property to change the border of an element to XYZ 67.4915, 69.5422, 104.4736 is called "border". The border property can be set on classes, ids or directly on the HTML element.

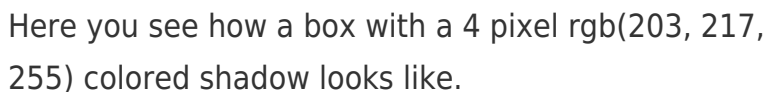
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(203, 217, 255) }
```


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

```
.border{ border-color:rgb(203, 217, 255) }
```

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



Here you see how a box with a 4 pixel `rgb(203, 217, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(203, 217, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(203, 217, 255); box-shadow:4px 4px 4px 4px rgb(203, 217, 255) }
```

Background

The CSS property to change the background color of an element to XYZ 67.4915, 69.5422, 104.4736 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 217, 255) }
```

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

```
.background{ background-color: rgb(203,  
217, 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