

Converting Colors

XYZ(66.9046, 69.1717,
104.4330)

Have a look what the booklet for
XYZ(66.9046, 69.1717, 104.4330)
contains.

XYZ(66.9502, 69.2632, 104.4482)	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(66.9502, 69.2632,
104.4482)**

Conversions

Conversions Part 1

Format	Color
Hex	C9D9FF
RGB	201, 217, 255
RGB Percent	79%, 85%, 100%
CMY	0.2118, 0.1490, 0.0000
CMYK	0.21, 0.15, 0.00, 0.00
HSL	222°, 100%, 89%
HSV	222°, 21%, 100%
XYZ	66.9502, 69.2632, 104.4482
YIQ	216.5480, -21.7340, 8.4260

Conversions

Conversions Part 2

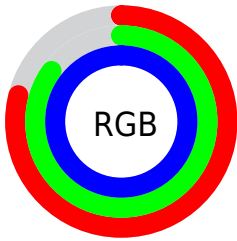
Format	Color
R _Y B	201, 213, 255
Decimal	13228543
CIE Lab	86.63, 2.49, -20.29
CIE LCh	87, 20.444, 276.994
Yxy	69.2632, 0.2782, 0.2878
Android (android.graphics.Color)	4291418623 (0xFFC9D9FF)
YUV	216.5480, 18.9568, -13.6356
Hunter-Lab	83.2245, -2.0481, -16.1528

Details

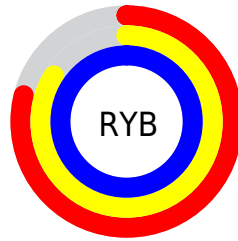
The XYZ color **66.9502, 69.2632, 104.4482** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **82.6489, 87.2090, 67.7369**, and the grayscale version is **65.5309, 68.9436, 75.0796**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **34.9674, 36.0289, 58.5374** is the 20% darker color. If you saturate the color by 10%, you get **56.2798, 57.2673, 102.6952**, and if you desaturate by 10%, it is **79.2653, 82.8569, 106.4230**.

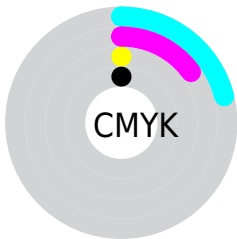
Distribution



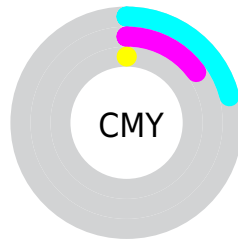
- Red (79%)
- Green (85%)
- Blue (100%)



- Red (79%)
- Yellow (84%)
- Blue (100%)



- Cyan (21%)
- Magenta (15%)
- Yellow (0%)
- Black (0%)



- Cyan (21%)
- Magenta (15%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 66.9502, 69.2632, 104.4482 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 66.9502, 69.2632, 104.4482 by changing the saturation by 10% instead.

■ 66.9502, 69.2632,
104.4482

■ 66.9502, 69.2632,
104.4482

439.2028,
457.9587, 595.7299

■ 49.3147, 50.9261,
79.3831

113.8992,
118.1574, 169.3617

■ 35.0848, 36.1498,
58.6876

143.9435,
149.4833, 210.0472

■ 23.8950, 24.5499,
41.9434

178.8547,
185.9076, 256.7765

■ 15.3801, 15.7420,
28.7317

218.9983,
227.8147, 309.9682

■ 9.1746, 9.3418,
18.6341

264.7395,
275.5890, 370.0409

■ 4.9133, 4.9648,
11.2321

316.4437,

■ 2.2307, 2.2266,

329.6148, 437.4130

6.1070

374.4764,
390.2766, 512.5031

■ 0.7588, 0.7344,
2.8404

■ 0.0000, 0.0000,
1.0137

■ 66.9502, 69.2632,
104.4482

■ 66.9502, 69.2632,
104.4482

■ 56.2798, 57.2673,
102.6952

■ 79.2653, 82.8569,
106.4230

■ 47.1761, 46.8001,
101.1546

■ 93.2867, 98.0976,
108.6257

■ 39.5633, 37.7992,
99.8185

■ 95.0500, 100.0000,
108.9000

■ 33.3567, 30.1945,
98.6778

■ 28.4626, 23.9096,
97.7226

■ 24.7746, 18.8596,
96.9422

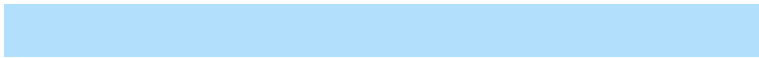
■ 22.1676, 14.9475,
96.3245

■ 20.6048, 12.3296,
95.9016

Harmonies

Analogous

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



62.3297, 69.2632, 102.1243



66.9502, 69.2632, 104.4482



71.4786, 69.2632, 98.2779

Triad

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



66.9502, 69.2632, 104.4482



73.3944, 69.2632, 60.7557



57.7841, 69.2632, 65.6547

Complementary

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



66.9502, 69.2632, 104.4482



82.6489, 87.2090, 67.7369

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.



60.4920, 69.2632, 56.4064



66.9502, 69.2632, 104.4482



69.4643, 69.2632, 53.8243

Square

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



66.9502, 69.2632, 104.4482



75.3132, 69.2632, 72.2776



64.7275, 69.2632, 52.3334



57.1830, 69.2632, 78.6436

Rectangle

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



66.9502, 69.2632, 104.4482



73.7868, 69.2632, 90.5688



64.7275, 69.2632, 52.3334



58.4716, 69.2632, 62.0550

Sweetspot

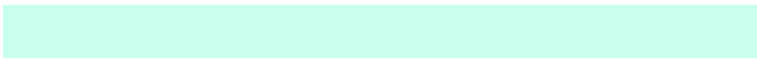
The Sweet Spot groups the original color and five complimentary colors.



66.9521, 69.2659, 104.4486



86.3046, 90.5351, 107.5340



75.3987, 90.1581, 94.9355



18.2771, 19.1656, 22.9860



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.



66.9521, 69.2659, 104.4486



62.6805, 64.4922, 103.7524



66.0316, 62.9622, 103.2804



17.4417, 18.2550, 22.8542



10.8787, 6.6670, 50.1481



1.1494, 0.8294, 4.9128

Inverse Universe

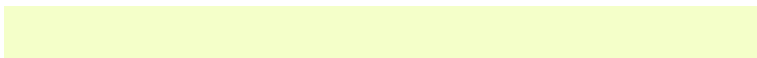
The Inverse Universe completely reimagines the original color for something new.



74.6522, 68.0445, 74.8481



71.5759, 63.2910, 69.5095



83.6808, 95.0062, 69.1875



18.2308, 18.0756, 19.8327



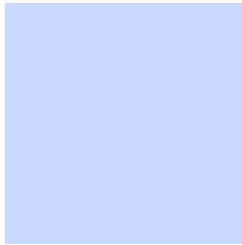
22.2793, 11.4010, 4.8550



2.2148, 1.1283, 0.7123

Previews

White Background



This preview shows how the XYZ color 66.9502, 69.2632, 104.4482 looks on a white background.

Color Contrast Check

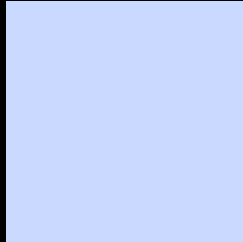
Large Text (above 18pt) WCAG AA × Fail

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 66.9502, 69.2632, 104.4482 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 66.9502, 69.2632, 104.4482

Background



This preview shows how black text looks on a background with the XYZ color 66.9502, 69.2632, 104.4482.



This preview shows how white text looks on a background with the XYZ color 66.9502, 69.2632,

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

66.9502, 69.2632, 104.4482

Protanopia

68.4843, 69.3119, 103.5350

Deuteranopia

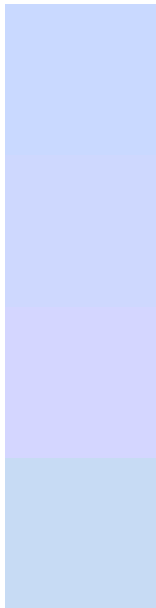
70.5069, 69.2124, 104.2510



Tritanopia

64.1680, 69.3066, 90.1163

Trichromacy



Original Color

66.9502, 69.2632, 104.4482

Protanomaly

67.8989, 69.3893, 103.5808

Deuteranomaly

69.2479, 69.3102, 104.3362

Tritanomaly

65.2138, 69.3368, 95.5342

Monochromacy



Original Color

66.9502, 69.2632, 104.4482

Achromatopsia

65.9525, 69.3872, 75.5626

Achromatomaly

66.1006, 69.2441, 85.4829

CSS Examples

Text

The CSS property to change the color of the text to XYZ 66.9502, 69.2632, 104.4482 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(201, 217, 255)` looks like.

```
.text, #text, p{  
    color:rgb(201, 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(201, 217, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 217, 255) }
```

Border

The CSS property to change the border of an element to XYZ 66.9502, 69.2632, 104.4482 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(201, 217, 255) }
```


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

```
.border{ border-color:rgb(201, 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(201, 217, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 217, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 217, 255);  
box-shadow:4px 4px 4px 4px rgb(201, 217,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 66.9502, 69.2632, 104.4482 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 217, 255) }
```

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

```
.background{ background-color: rgb(201,  
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