

Converting Colors

XYZ(66.7623, 67.2821,
104.0757)

Have a look what the booklet for
XYZ(66.7623, 67.2821, 104.0757)
contains.

XYZ(66.7703, 67.2861, 104.0761)	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(66.7703, 67.2861,
104.0761)**

Conversions

Conversions Part 1

Format	Color
Hex	CDD4FF
RGB	205, 212, 255
RGB Percent	80%, 83%, 100%
CMY	0.1961, 0.1686, 0.0000
CMYK	0.20, 0.17, 0.00, 0.00
HSL	232°, 100%, 90%
HSV	232°, 20%, 100%
XYZ	66.7703, 67.2861, 104.0761
YIQ	214.8090, -17.9750, 11.8890

Conversions

Conversions Part 2

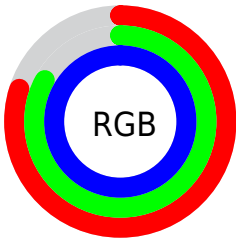
Format	Color
R _Y B	205, 211, 255
Decimal	13489407
CIE Lab	85.65, 6.34, -21.76
CIE LCh	86, 22.662, 286.248
Yxy	67.2861, 0.2804, 0.2826
Android (android.graphics.Color)	4291679487 (0xFFCDD4FF)
YUV	214.8090, 19.8142, -8.6025
Hunter-Lab	82.0281, 1.7486, -17.8066

Details

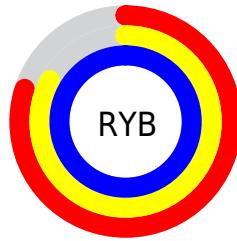
The XYZ color **66.7703, 67.2861, 104.0761** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **85.8266, 92.8015, 71.1482**, and the grayscale version is **64.3427, 67.6935, 73.7183**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **34.9976, 35.0150, 58.3401** is the 20% darker color. If you saturate the color by 10%, you get **55.1867, 53.7234, 102.0688**, and if you desaturate by 10%, it is **80.2485, 82.9340, 106.3861**.

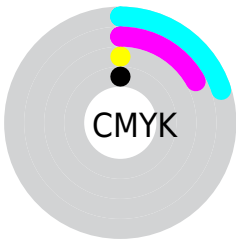
Distribution



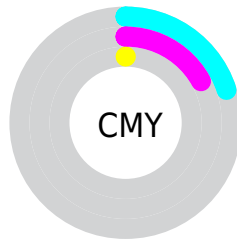
- Red (80%)
- Green (83%)
- Blue (100%)



- Red (80%)
- Yellow (83%)
- Blue (100%)



- Cyan (20%)
- Magenta (17%)
- Yellow (0%)
- Black (0%)



- Cyan (20%)
- Magenta (17%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 66.7703, 67.2861, 104.0761 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 66.7703, 67.2861, 104.0761 by changing the saturation by 10% instead.

■ 66.7703, 67.2861,
104.0761

■ 66.7703, 67.2861,
104.0761

438.5721,
450.9625, 594.5414

■ 49.1680, 49.3172,
79.0732

113.6428,
115.3303, 168.8480

■ 34.9678, 34.8711,
58.4343

143.6438,
146.1743, 209.4542

■ 23.8045, 23.5636,
41.7409

178.5083,
182.0788, 256.0985

■ 15.3126, 15.0102,
28.5744

218.6017,
223.4282, 309.1995

■ 9.1268, 8.8266,
18.5163

264.2895,
270.6069, 369.1757

■ 4.8818, 4.6282,
11.1480

315.9369,

■ 2.2121, 2.0308,

323.9992, 436.4458

6.0511

373.9093,
383.9896, 511.4282

■ 0.7491, 0.6253,
2.8069

■ 0.0000, 0.0000,
0.9969

■ 66.7703, 67.2861,
104.0761

■ 66.7703, 67.2861,
104.0761

■ 55.1867, 53.7234,
102.0688

■ 80.2485, 82.9340,
106.3861

■ 45.4067, 42.1498,
100.3503

95.0500, 100.0000,
108.9000

■ 37.3404, 32.4734,
98.9077

■ 30.8878, 24.5917,
97.7264

■ 25.9382, 18.3925,
96.7908

■ 22.3667, 13.7509,
96.0831

■ 20.0275, 10.5234,
95.5834

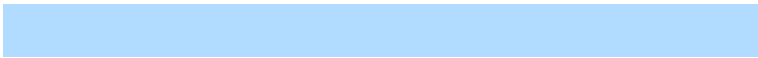
■ 18.7109, 8.5233,
95.2667

■ 18.6722, 8.4644,
95.2574

Harmonies

Analogous

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



61.6232, 67.2861, 104.4814



66.7703, 67.2861, 104.0761



71.3927, 67.2861, 94.7271

Triad

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



66.7703, 67.2861, 104.0761



71.0644, 67.2861, 54.5918



54.7904, 67.2861, 66.7123

Complementary

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



66.7703, 67.2861, 104.0761



85.8266, 92.8015, 71.1482

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.



57.0497, 67.2861, 55.3142



66.7703, 67.2861, 104.0761



66.3417, 67.2861, 48.9795

Square

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



66.7703, 67.2861, 104.0761



73.9617, 67.2861, 65.5956



61.2169, 67.2861, 49.2248



54.8914, 67.2861, 81.5060

Rectangle

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



66.7703, 67.2861, 104.0761



73.4733, 67.2861, 85.3171



61.2169, 67.2861, 49.2248



55.2936, 67.2861, 62.4016

Sweetspot

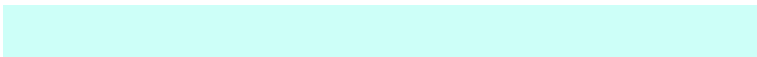
The Sweet Spot groups the original color and five complimentary colors.



66.7722, 67.2888, 104.0765



85.5887, 89.1035, 107.2954



77.8034, 91.2458, 101.9126



18.1084, 18.8282, 22.9297



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.



66.7722, 67.2888, 104.0765



61.4545, 61.0782, 103.1580



70.1600, 66.4928, 103.7443



17.2082, 17.7879, 22.7764



9.8185, 4.5466, 49.7947



1.0152, 0.5611, 4.8681

Inverse Universe

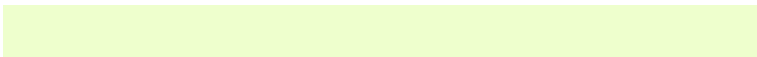
The Inverse Universe completely reimagines the original color for something new.



74.9562, 69.6776, 71.7889



71.1919, 64.0365, 64.7157



81.8723, 94.0188, 71.5916



18.1130, 18.0285, 19.2120



21.7441, 11.1869, 2.0371



2.1470, 1.1012, 0.3558

Previews

White Background



This preview shows how the XYZ color 66.7703, 67.2861, 104.0761 looks on a white background.

Color Contrast Check

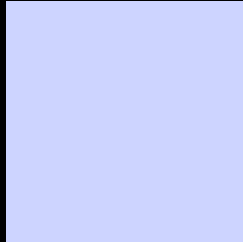
Large Text (above 18pt) WCAG AA × Fail

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 66.7703, 67.2861, 104.0761 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

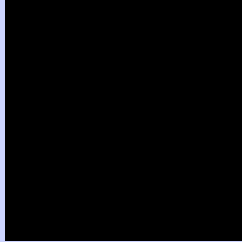
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 66.7703, 67.2861, 104.0761

Background



This preview shows how black text looks on a background with the XYZ color 66.7703, 67.2861, 104.0761.



This preview shows how white text looks on a background with the XYZ color 66.7703, 67.2861,

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

66.7703, 67.2861, 104.0761

Protanopia

66.7703, 67.2861, 104.0761

Deuteranopia

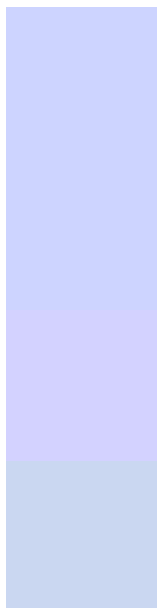
68.5820, 67.1171, 103.9480



Tritanopia

63.3512, 67.4124, 86.7637

Trichromacy



Original Color

66.7703, 67.2861, 104.0761

Protanomaly

66.7703, 67.2861, 104.0761

Deuteranomaly

67.9606, 67.1621, 103.9894

Tritanomaly

64.5347, 67.5083, 92.8481

Monochromacy



Original Color

66.7703, 67.2861, 104.0761

Achromatopsia

64.5905, 67.9542, 74.0022

Achromatomaly

65.1935, 67.6552, 84.4856

CSS Examples

Text

The CSS property to change the color of the text to XYZ 66.7703, 67.2861, 104.0761 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, 212, 255)` looks like.

```
.text, #text, p{  
    color:rgb(205, 212, 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, 212, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 212, 255) }
```

Border

The CSS property to change the border of an element to XYZ 66.7703, 67.2861, 104.0761 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, 212, 255) }
```


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

```
.border{ border-color:rgb(205, 212, 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, 212, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 212, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 212, 255);  
box-shadow:4px 4px 4px 4px rgb(205, 212,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 66.7703, 67.2861, 104.0761 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 212, 255) }
```

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

```
.background{ background-color: rgb(205,  
212, 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