

Converting Colors

XYZ(69.4099, 71.9764,
118.1673)

Have a look what the booklet for
XYZ(69.4099, 71.9764, 118.1673)
contains.

XYZ(66.6714, 70.6687, 104.7342)	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(66.6714, 70.6687,
104.7342)**

Conversions

Conversions Part 1

Format	Color
Hex	C4DDFF
RGB	196, 221, 255
RGB Percent	77%, 87%, 100%
CMY	0.2314, 0.1333, 0.0000
CMYK	0.23, 0.13, 0.00, 0.00
HSL	215°, 100%, 88%
HSV	215°, 23%, 100%
XYZ	66.6714, 70.6687, 104.7342
YIQ	217.4010, -25.8140, 5.2740

Conversions

Conversions Part 2

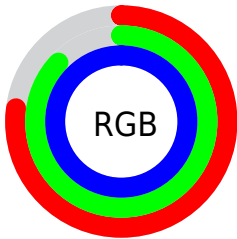
Format	Color
R _Y B	196, 214, 255
Decimal	12901887
CIE Lab	87.32, -1.10, -19.28
CIE LCh	87, 19.314, 266.731
Yxy	70.6687, 0.2754, 0.2919
Android (android.graphics.Color)	4291091967 (0xFFC4DDFF)
YUV	217.4010, 18.5363, -18.7687
Hunter-Lab	84.0647, -5.5455, -15.0227

Details

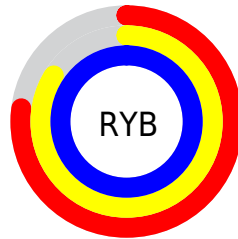
The XYZ color **66.6714, 70.6687, 104.7342** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **79.5005, 81.8383, 63.8325**, and the grayscale version is **66.1195, 69.5629, 75.7540**.

A 20% lighter version of the original color is **94.3180, 99.6226, 108.8657**, and **34.8138, 37.0124, 58.7353** is the 20% darker color. If you saturate the color by 10%, you get **56.8827, 60.1147, 103.2130**, and if you desaturate by 10%, it is **77.9308, 82.4885, 106.4222**.

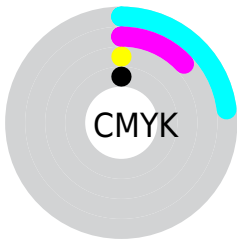
Distribution



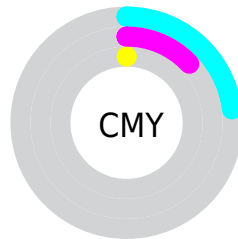
- Red (77%)
- Green (87%)
- Blue (100%)



- Red (77%)
- Yellow (84%)
- Blue (100%)



- Cyan (23%)
- Magenta (13%)
- Yellow (0%)
- Black (0%)



- Cyan (23%)
- Magenta (13%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 66.6714, 70.6687, 104.7342 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 66.6714, 70.6687, 104.7342 by changing the saturation by 10% instead.

■ 66.6714, 70.6687,
104.7342

■ 66.6714, 70.6687,
104.7342

438.2251,
462.8945, 596.6425

■ 49.0873, 52.0719,
79.6213

113.5018,
120.1619, 169.7564

■ 34.9036, 37.0624,
58.8824

143.4789,
151.8270, 210.5027

■ 23.7548, 25.2558,
42.0991

178.3177,
188.6170, 257.2973

■ 15.2756, 16.2677,
28.8527

218.3836,
230.9164, 310.5587

■ 9.1006, 9.7138,
18.7248

264.0420,
279.1094, 370.7053

■ 4.8645, 5.2096,
11.2968

315.6581,

■ 2.2019, 2.3708,

333.5805, 438.1558

6.1502

373.5973,
394.7140, 513.3287

■ 0.7437, 0.8108,
2.8663

■ 0.0000, 0.0000,
1.0268

■ 66.6714, 70.6687,
104.7342

■ 66.6714, 70.6687,
104.7342

■ 56.8827, 60.1147,
103.2130

■ 77.9308, 82.4885,
106.4222

■ 48.4933, 50.7714,
101.8517

■ 90.7163, 95.6097,
108.2810

■ 41.4340, 42.5917,
100.6450

■ 95.0500, 100.0000,
108.9000

■ 35.6273, 35.5216,
99.5863

■ 30.9864, 29.5017,
98.6690

■ 27.4124, 24.4657,
97.8853

■ 24.7863, 20.3359,
97.2266

■ 23.4193, 17.9585,
96.8398

Harmonies

Analogous

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



62.4879, 70.6687, 99.8252



66.6714, 70.6687, 104.7342



71.1763, 70.6687, 101.5324

Triad

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



66.6714, 70.6687, 104.7342



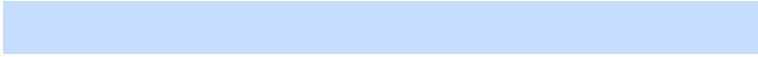
75.2794, 70.6687, 66.2292



60.1238, 70.6687, 64.0176

Complementary

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



66.6714, 70.6687, 104.7342



79.5005, 81.8383, 63.8325

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.



63.3140, 70.6687, 56.6887



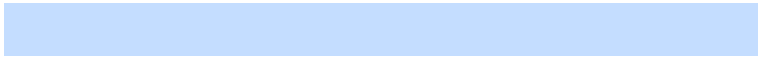
66.6714, 70.6687, 104.7342



72.0772, 70.6687, 57.8608

Square

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



66.6714, 70.6687, 104.7342



76.2760, 70.6687, 78.3822



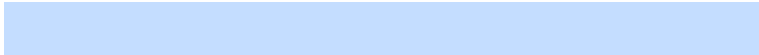
67.6680, 70.6687, 54.5672



58.8164, 70.6687, 75.5279

Rectangle

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



66.6714, 70.6687, 104.7342



73.7345, 70.6687, 95.4064



67.6680, 70.6687, 54.5672



61.0043, 70.6687, 61.0355

Sweetspot

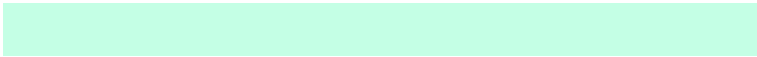
The Sweet Spot groups the original color and five complimentary colors.



66.6734, 70.6715, 104.7346



85.5912, 90.3825, 107.5422



72.7293, 88.9376, 87.7807



18.1532, 19.1746, 22.9942



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.



66.6734, 70.6715, 104.7346



61.7321, 65.3822, 103.9741



61.5929, 58.9717, 102.7441



17.6357, 18.6431, 22.9189



12.3775, 9.6646, 50.6477



1.3106, 1.1519, 4.9665

Inverse Universe

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



74.0323, 65.9618, 77.2398



70.4170, 60.2228, 71.4359



85.5319, 96.0273, 66.2534



18.3288, 18.1148, 20.3486



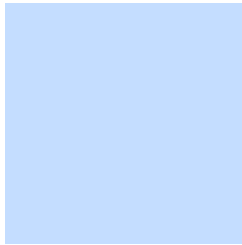
23.0358, 11.7036, 8.8389



2.2961, 1.1608, 1.1409

Previews

White Background



This preview shows how the XYZ color 66.6714, 70.6687, 104.7342 looks on a white background.

Color Contrast Check

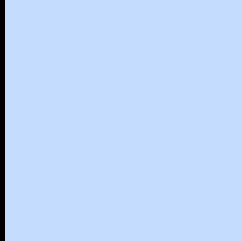
Large Text (above 18pt) WCAG AA × Fail

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 66.6714, 70.6687, 104.7342 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

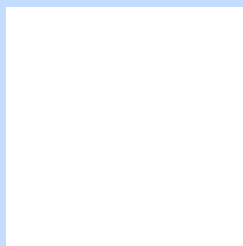
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 66.6714, 70.6687, 104.7342

Background



This preview shows how black text looks on a background with the XYZ color 66.6714, 70.6687, 104.7342.



This preview shows how white text looks on a background with the XYZ color 66.6714, 70.6687,

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

66.6714, 70.6687, 104.7342

Protanopia

69.5349, 70.6510, 102.0676

Deuteranopia

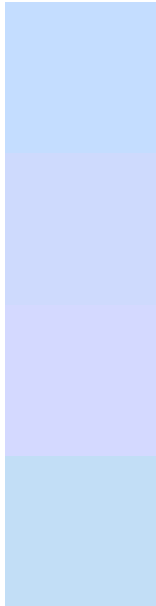
71.9154, 70.6853, 104.4610



Tritanopia

64.2572, 70.4637, 93.4332

Trichromacy



Original Color

66.6714, 70.6687, 104.7342

Protanomaly

68.2546, 70.3565, 102.9113

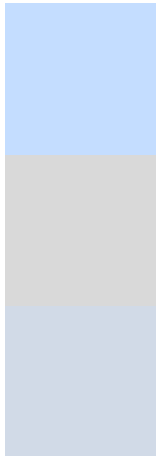
Deuteranomaly

70.0142, 70.8428, 104.5916

Tritanomaly

65.0040, 70.3657, 97.3446

Monochromacy



Original Color

66.6714, 70.6687, 104.7342

Achromatopsia

65.9525, 69.3872, 75.5626

Achromatomaly

65.7897, 69.4676, 85.5424

CSS Examples

Text

The CSS property to change the color of the text to XYZ 66.6714, 70.6687, 104.7342 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(196, 221, 255)` looks like.

```
.text, #text, p{  
    color:rgb(196, 221, 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(196, 221, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 221, 255) }
```

Border

The CSS property to change the border of an element to XYZ 66.6714, 70.6687, 104.7342 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(196, 221, 255) }
```


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

```
.border{ border-color:rgb(196, 221, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 221, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 221, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 221, 255);  
box-shadow:4px 4px 4px 4px rgb(196, 221,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 66.6714, 70.6687, 104.7342 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 221, 255) }
```

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

```
.background{ background-color: rgb(196,  
221, 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