

Converting Colors

XYZ(66.5193, 71.6851,
104.9384)

Have a look what the booklet for
XYZ(66.5193, 71.6851, 104.9384)
contains.

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Color

**XYZ(66.6980, 71.8688,
104.9644)**

Conversions

Conversions Part 1

Format	Color
Hex	C1E0FF
RGB	193, 224, 255
RGB Percent	76%, 88%, 100%
CMY	0.2431, 0.1216, 0.0000
CMYK	0.24, 0.12, 0.00, 0.00
HSL	210°, 100%, 88%
HSV	210°, 24%, 100%
XYZ	66.6980, 71.8688, 104.9644
YIQ	218.2650, -28.4270, 3.0690

Conversions

Conversions Part 2

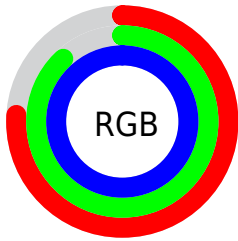
Format	Color
RYB	193, 214, 255
Decimal	12706047
CIELab	87.91, -3.55, -18.42
CIELCh	88, 18.763, 259.096
Yxy	71.8688, 0.2739, 0.2951
Android (android.graphics.Color)	4290896127 (0xFFC1E0FF)
YUV	218.2650, 18.1104, -22.1574
Hunter-Lab	84.7755, -7.9203, -14.0668

Details

The XYZ color **66.6980, 71.8688, 104.9644** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **77.5213, 78.4209, 61.5048**, and the grayscale version is **66.7181, 70.1926, 76.4397**.

A 20% lighter version of the original color is **93.2343, 99.0640, 108.8150**, and **34.8622, 37.8564, 58.8957** is the 20% darker color. If you saturate the color by 10%, you get **57.4507, 62.2061, 103.5867**, and if you desaturate by 10%, it is **77.3269, 82.6287, 106.4811**.

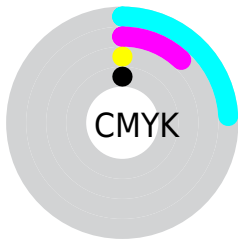
Distribution



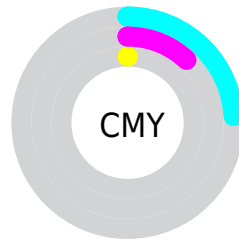
- Red (76%)
- Green (88%)
- Blue (100%)



- Red (76%)
- Yellow (84%)
- Blue (100%)



- Cyan (24%)
- Magenta (12%)
- Yellow (0%)
- Black (0%)



- Cyan (24%)
- Magenta (12%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 66.6980, 71.8688, 104.9644 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 66.6980, 71.8688, 104.9644 by changing the saturation by 10% instead.

■ 66.6980, 71.8688,
104.9644

■ 66.6980, 71.8688,
104.9644

438.3184,
467.0848, 597.3765

■ 49.1090, 53.0515,
79.8130

■ 113.5398,
121.8700, 170.0740

■ 34.9209, 37.8439,
59.0393

143.5233,
153.8227, 210.8693

■ 23.7682, 25.8616,
42.2245

178.3690,
190.9226, 257.7164

■ 15.2855, 16.7201,
28.9502

218.4423,
233.5542, 311.0337

■ 9.1076, 10.0351,
18.7979

264.1085,
282.1018, 371.2398

■ 4.8691, 5.4223,
11.3490

315.7331,

■ 2.2046, 2.4971,

336.9498, 438.7533

6.1850

373.6813,
398.4827, 513.9927

■ 0.7452, 0.8752,
2.8873

■ 0.0000, 0.0000,
1.0374

■ 66.6980, 71.8688,
104.9644

■ 66.6980, 71.8688,
104.9644

■ 57.4507, 62.2061,
103.5867

■ 77.3269, 82.6287,
106.4811

■ 49.5160, 53.5914,
102.3421

■ 89.3904, 94.5158,
108.1397

■ 42.8275, 45.9836,
101.2262

95.0500, 100.0000,
108.9000

■ 37.3101, 39.3351,
100.2337

■ 32.8795, 33.5931,
99.3589

■ 29.4387, 28.6982,
98.5955

■ 26.8700, 24.5793,
97.9358

■ 25.7057, 22.5314,
97.6019

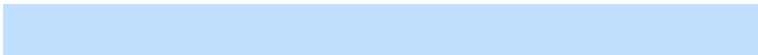
Harmonies

Analogous

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



62.8404, 71.8688, 98.3461



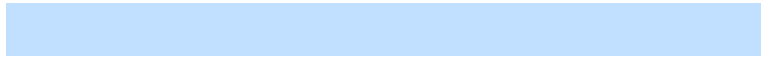
66.6980, 71.8688, 104.9644



71.1565, 71.8688, 103.8625

Triad

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



66.6980, 71.8688, 104.9644



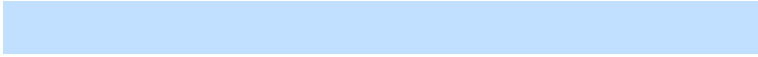
76.7473, 71.8688, 70.4815



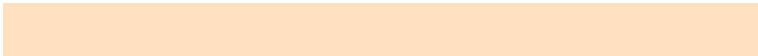
62.0237, 71.8688, 63.2322

Complementary

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



66.6980, 71.8688, 104.9644



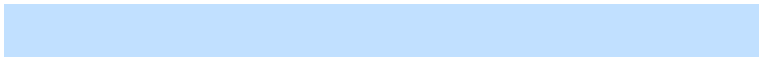
77.5213, 78.4209, 61.5048

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.



65.5388, 71.8688, 57.2423



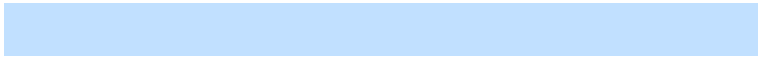
66.6980, 71.8688, 104.9644



74.0862, 71.8688, 61.1018

Square

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



66.6980, 71.8688, 104.9644



77.0909, 71.8688, 82.9966



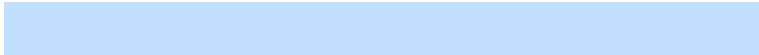
69.9460, 71.8688, 56.5074



60.2210, 71.8688, 73.6935

Rectangle

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



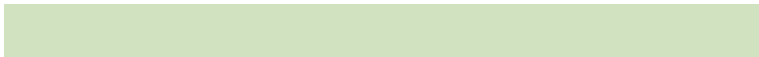
66.6980, 71.8688, 104.9644



73.8674, 71.8688, 98.9279



69.9460, 71.8688, 56.5074



63.0369, 71.8688, 60.6800

Sweetspot

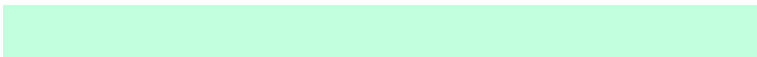
The Sweet Spot groups the original color and five complimentary colors.



66.7000, 71.8716, 104.9649



86.0040, 91.2080, 107.6798



71.0681, 88.1839, 83.0651



18.2488, 19.3657, 23.0261



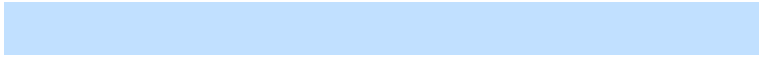
0.0000, 0.0000, 0.0000



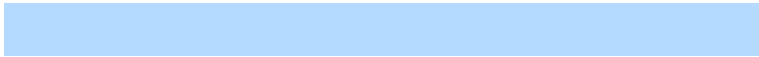
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



66.7000, 71.8716, 104.9649



62.1966, 67.2074, 104.3020



59.3430, 57.1576, 102.5126



17.7535, 18.8786, 22.9582



13.5811, 12.0717, 51.0489



1.4315, 1.3938, 5.0068

Inverse Universe

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



73.7658, 64.7834, 79.1408



70.4327, 59.3915, 74.1008



86.2972, 95.9729, 64.4302



18.3882, 18.1386, 20.6615



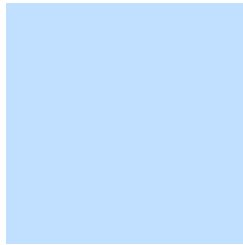
23.6433, 11.9466, 12.0380



2.3572, 1.1852, 1.4624

Previews

White Background



This preview shows how the XYZ color 66.6980, 71.8688, 104.9644 looks on a white background.

Color Contrast Check

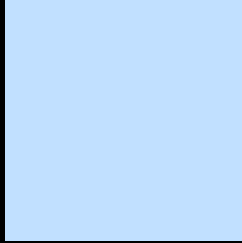
Large Text (above 18pt) WCAG AA × Fail

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 66.6980, 71.8688, 104.9644 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

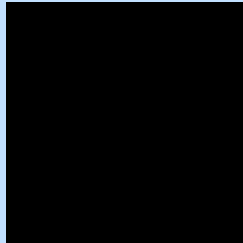
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

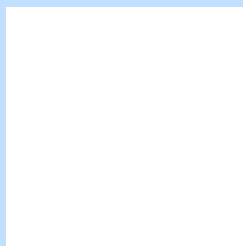
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 66.6980, 71.8688, 104.9644

Background



This preview shows how black text looks on a background with the XYZ color 66.6980, 71.8688, 104.9644.



This preview shows how white text looks on a background with the XYZ color 66.6980, 71.8688,

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

66.6980, 71.8688, 104.9644

Protanopia

70.5083, 71.5549, 101.3621

Deuteranopia

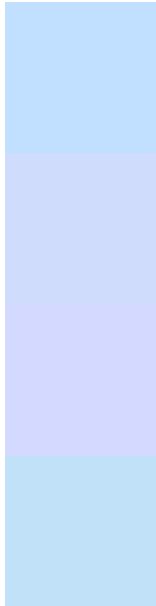
72.7819, 71.5089, 104.5743



Tritanopia

65.0113, 72.0007, 96.0590

Trichromacy



Original Color

66.6980, 71.8688, 104.9644

Protanomaly

68.8960, 71.4801, 102.2613

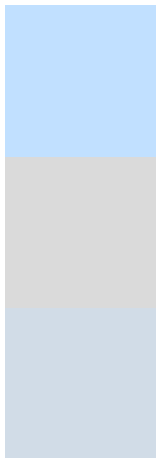
Deuteranomaly

70.2728, 71.3599, 104.6778

Tritanomaly

65.6067, 71.8342, 99.2145

Monochromacy



Original Color

66.6980, 71.8688, 104.9644

Achromatopsia

66.6397, 70.1102, 76.3500

Achromatomaly

66.3115, 70.5112, 85.7163

CSS Examples

Text

The CSS property to change the color of the text to XYZ 66.6980, 71.8688, 104.9644 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(193, 224, 255)` looks like.

```
.text, #text, p{  
    color:rgb(193, 224, 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(193, 224, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 224, 255) }
```

Border

The CSS property to change the border of an element to XYZ 66.6980, 71.8688, 104.9644 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(193, 224, 255) }
```


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

```
.border{ border-color:rgb(193, 224, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 224, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 224, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 224, 255);  
box-shadow:4px 4px 4px 4px rgb(193, 224,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 66.6980, 71.8688, 104.9644 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 224, 255) }
```

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

```
.background{ background-color: rgb(193,  
224, 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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