

Converting Colors

XYZ(93.1672, 81.7290,
243.5068)

Have a look what the booklet for
XYZ(93.1672, 81.7290, 243.5068)
contains.

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Color

**XYZ(66.6770, 71.0647,
104.8103)**

Conversions

Conversions Part 1

Format	Color
Hex	C3DEFF
RGB	195, 222, 255
RGB Percent	76%, 87%, 100%
CMY	0.2353, 0.1294, 0.0000
CMYK	0.24, 0.13, 0.00, 0.00
HSL	213°, 100%, 88%
HSV	213°, 24%, 100%
XYZ	66.6770, 71.0647, 104.8103
YIQ	217.6890, -26.6850, 4.5390

Conversions

Conversions Part 2

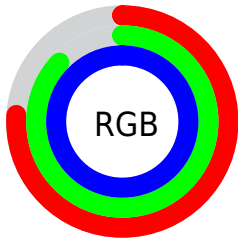
Format	Color
R _Y B	195, 214, 255
Decimal	12836607
CIE Lab	87.52, -1.92, -19.00
CIE LCh	88, 19.095, 264.231
Yxy	71.0647, 0.2749, 0.2930
Android (android.graphics.Color)	4291026687 (0xFFC3DEFF)
YUV	217.6890, 18.3943, -19.8983
Hunter-Lab	84.2999, -6.3402, -14.7055

Details

The XYZ color **66.6770, 71.0647, 104.8103** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **78.8337, 80.6863, 63.0507**, and the grayscale version is **66.3187, 69.7724, 75.9822**.

A 20% lighter version of the original color is **93.9549, 99.4354, 108.8487**, and **34.8270, 37.2901, 58.7882** is the 20% darker color. If you saturate the color by 10%, you get **57.0715, 60.8131, 103.3379**, and if you desaturate by 10%, it is **77.7213, 82.5215, 106.4396**.

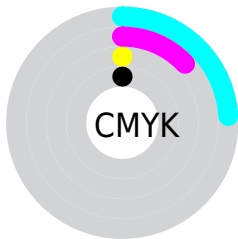
Distribution



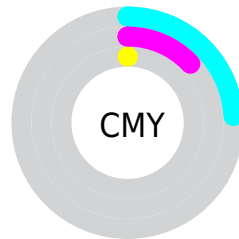
- Red (76%)
- Green (87%)
- Blue (100%)



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



- Cyan (24%)
- Magenta (13%)
- Yellow (0%)
- Black (0%)



- Cyan (24%)
- Magenta (13%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 66.6770, 71.0647, 104.8103 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 66.6770, 71.0647, 104.8103 by changing the saturation by 10% instead.

■ 66.6770, 71.0647,
104.8103

■ 66.6770, 71.0647,
104.8103

438.2448,
464.2796, 596.8852

■ 49.0919, 52.3950,
79.6847

■ 113.5098,
120.7258, 169.8614

■ 34.9072, 37.3200,
58.9343

143.4883,
152.4861, 210.6239

■ 23.7576, 25.4554,
42.1405

178.3285,
189.3786, 257.4359

■ 15.2777, 16.4166,
28.8850

218.3960,
231.7878, 310.7157

■ 9.1021, 9.8195,
18.7490

264.0560,
280.0982, 370.8820

■ 4.8655, 5.2794,
11.3141

315.6739,

■ 2.2025, 2.4121,

334.6940, 438.3534

6.1617

373.6150,
395.9596, 513.5482

■ 0.7440, 0.8321,
2.8733

■ 0.0000, 0.0000,
1.0303

■ 66.6770, 71.0647,
104.8103

■ 66.6770, 71.0647,
104.8103

■ 57.0715, 60.8131,
103.3379

■ 77.7213, 82.5215,
106.4396

■ 48.8344, 51.7140,
102.0157

■ 90.2590, 95.2170,
108.2293

■ 41.8975, 43.7224,
100.8388

95.0500, 100.0000,
108.9000

■ 36.1843, 36.7868,
99.8012

■ 31.6090, 30.8505,
98.8965

■ 28.0736, 25.8496,
98.1176

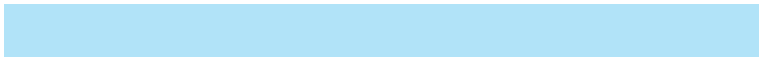
■ 25.4597, 21.7093,
97.4562

■ 24.1536, 19.4272,
97.0845

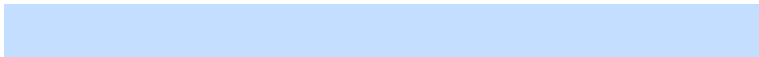
Harmonies

Analogous

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



62.6019, 71.0647, 99.3281



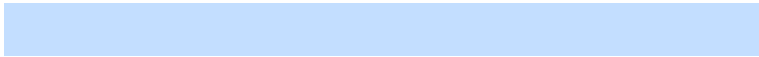
66.6770, 71.0647, 104.8103



71.1668, 71.0647, 102.3058

Triad

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



66.6770, 71.0647, 104.8103



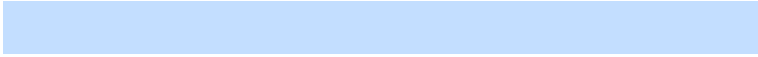
75.7652, 71.0647, 67.6255



60.7503, 71.0647, 63.7498

Complementary

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



66.6770, 71.0647, 104.8103



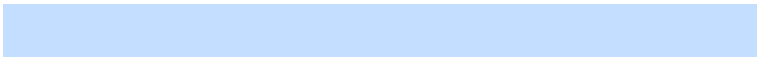
78.8337, 80.6863, 63.0507

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.



64.0479, 71.0647, 56.8679



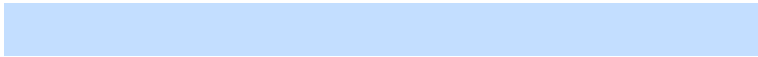
66.6770, 71.0647, 104.8103



72.7415, 71.0647, 58.9252

Square

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



66.6770, 71.0647, 104.8103



76.5452, 71.0647, 79.9005



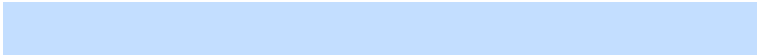
68.4202, 71.0647, 55.2049



59.2792, 71.0647, 74.9079

Rectangle

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



66.6770, 71.0647, 104.8103



73.7763, 71.0647, 96.5715



68.4202, 71.0647, 55.2049



61.6746, 71.0647, 60.9116

Sweetspot

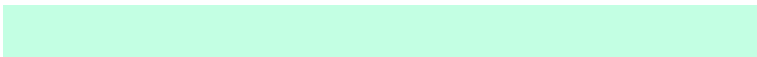
The Sweet Spot groups the original color and five complimentary colors.



66.6790, 71.0675, 104.8108



85.7331, 90.6662, 107.5894



72.1318, 88.6687, 85.9871



18.1860, 19.2403, 23.0052



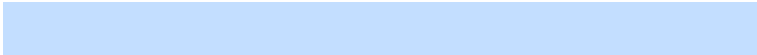
0.0000, 0.0000, 0.0000



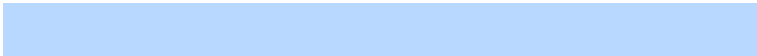
20.3446, 21.4041, 23.3091

Same Dimension

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



66.6790, 71.0675, 104.8108



62.2091, 66.3362, 104.1331



60.5926, 58.1223, 102.6329



17.6762, 18.7239, 22.9324



12.7650, 10.4396, 50.7768



1.3501, 1.2310, 4.9797

Inverse Universe

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



73.9412, 65.5658, 77.8688



70.6577, 60.3191, 72.7038



86.1187, 96.3429, 65.6887



18.3492, 18.1230, 20.4560



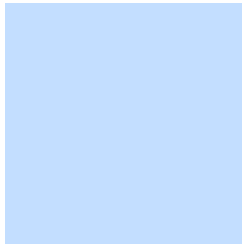
23.2314, 11.7818, 9.8689



2.3161, 1.1688, 1.2460

Previews

White Background



This preview shows how the XYZ color 66.6770, 71.0647, 104.8103 looks on a white background.

Color Contrast Check

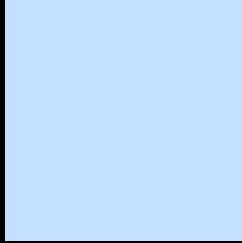
Large Text (above 18pt) WCAG AA × Fail

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 66.6770, 71.0647, 104.8103 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

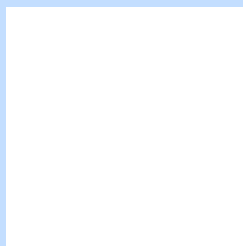
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 66.6770, 71.0647, 104.8103

Background



This preview shows how black text looks on a background with the XYZ color 66.6770, 71.0647, 104.8103.



This preview shows how white text looks on a background with the XYZ color 66.6770, 71.0647,

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

66.6770, 71.0647, 104.8103

Protanopia

69.8241, 70.8001, 102.0811

Deuteranopia

72.2208, 70.8427, 104.4753



Tritanopia

64.4209, 70.9286, 94.2996

Trichromacy



Original Color

66.6770, 71.0647, 104.8103

Protanomaly

68.5147, 70.8767, 102.9980

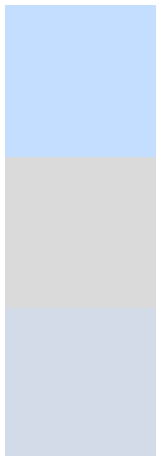
Deuteranomaly

70.0142, 70.8428, 104.5916

Tritanomaly

65.1685, 70.8282, 98.2322

Monochromacy



Original Color

66.6770, 71.0647, 104.8103

Achromatopsia

66.6397, 70.1102, 76.3500

Achromatomaly

66.3337, 70.1342, 85.6424

CSS Examples

Text

The CSS property to change the color of the text to XYZ 66.6770, 71.0647, 104.8103 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(195, 222, 255)` looks like.

```
.text, #text, p{  
    color:rgb(195, 222, 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(195, 222, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 222, 255) }
```

Border

The CSS property to change the border of an element to XYZ 66.6770, 71.0647, 104.8103 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(195, 222, 255) }
```


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

```
.border{ border-color:rgb(195, 222, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(195, 222, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 222, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 222, 255);  
box-shadow:4px 4px 4px 4px rgb(195, 222,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 66.6770, 71.0647, 104.8103 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 222, 255) }
```

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

```
.background{ background-color: rgb(195,  
222, 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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