

Converting Colors

XYZ(66.5271, 70.1162,
100.3881)

Have a look what the booklet for
XYZ(66.5271, 70.1162, 100.3881)
contains.

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Color

**XYZ(66.6679, 70.3679,
100.5111)**

Conversions

Conversions Part 1

Format	Color
Hex	C8DCFA
RGB	200, 220, 250
RGB Percent	78%, 86%, 98%
CMY	0.2157, 0.1372, 0.0196
CMYK	0.20, 0.12, 0.00, 0.02
HSL	216°, 83%, 88%
HSV	216°, 20%, 98%
XYZ	66.6679, 70.3679, 100.5111
YIQ	217.4400, -21.5500, 5.0900

Conversions

Conversions Part 2

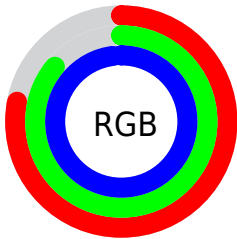
Format	Color
R _Y B	200, 214, 250
Decimal	13163770
CIE Lab	87.18, -0.48, -16.85
CIE LCh	87, 16.852, 268.380
Yxy	70.3679, 0.2807, 0.2962
Android (android.graphics.Color)	4291353850 (0xFFC8DCFA)
YUV	217.4400, 16.0521, -15.2949
Hunter-Lab	83.8856, -4.9372, -12.3210

Details

The XYZ color **66.6679, 70.3679, 100.5111** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **78.1471, 81.0877, 66.1778**, and the grayscale version is **66.1608, 69.6063, 75.8012**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **34.7578, 36.7803, 55.7194** is the 20% darker color. If you saturate the color by 10%, you get **56.7680, 59.6819, 98.9714**, and if you desaturate by 10%, it is **78.0170, 82.3288, 102.2228**.

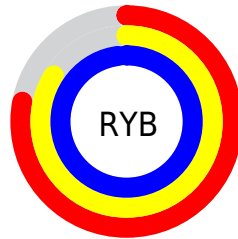
Distribution



Red (78%)

Green (86%)

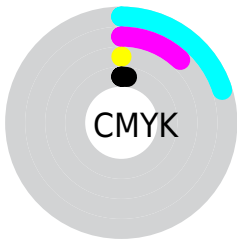
Blue (98%)



Red (78%)

Yellow (84%)

Blue (98%)

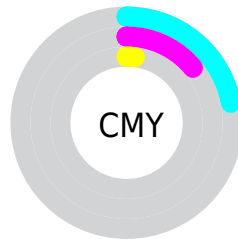


Cyan (20%)

Magenta (12%)

Yellow (0%)

Black (2%)



Cyan (22%)

Magenta (14%)

Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 66.6679, 70.3679, 100.5111 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 66.6679, 70.3679, 100.5111 by changing the saturation by 10% instead.

■ 66.6679, 70.3679,
100.5111

■ 66.6679, 70.3679,
100.5111

438.2128,
461.8407, 583.0907

■ 49.0845, 51.8265,
76.1082

113.4968,
119.7333, 163.9174

■ 34.9013, 36.8668,
56.0140

143.4731,
151.3260, 203.7578

■ 23.7530, 25.1044,
39.8101

178.3110,
188.0380, 249.5812

■ 15.2743, 16.1548,
27.0779

218.3759,
230.2537, 301.8060

■ 9.0997, 9.6338,
17.3988

264.0332,
278.3574, 360.8508

■ 4.8639, 5.1568,
10.3542

315.6482,

■ 2.2015, 2.3396,

332.7335, 427.1342

5.5258

373.5863,
393.7665, 501.0747

■ 0.7436, 0.7945,
2.4949

■ 0.0000, 0.0000,
0.8374

■ 66.6679, 70.3679,
100.5111

■ 66.6679, 70.3679,
100.5111

■ 56.7680, 59.6819,
98.9714

■ 78.0170, 82.3288,
102.2228

■ 48.2486, 50.2165,
97.5934

■ 90.8672, 95.5993,
104.1070

■ 41.0449, 41.9256,
96.3728

■ 94.2555, 99.6822,
104.7165

■ 35.0838, 34.7566,
95.3032

■ 30.2844, 28.6523,
94.3779

■ 26.5553, 23.5489,
93.5894

■ 23.7887, 19.3734,
92.9293

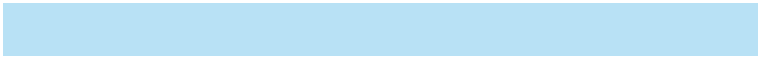
■ 21.8141, 16.0194,
92.3860

■ 21.8140, 16.0192,
92.3860

Harmonies

Analogous

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



62.9751, 70.3679, 96.6971



66.6679, 70.3679, 100.5111



70.5620, 70.3679, 97.4176

Triad

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



66.6679, 70.3679, 100.5111



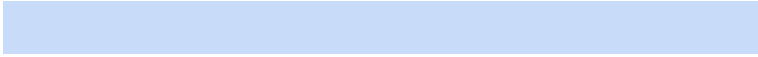
73.7974, 70.3679, 66.7277



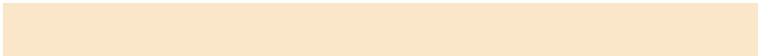
60.6148, 70.3679, 65.7602

Complementary

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



66.6679, 70.3679, 100.5111



78.1471, 81.0877, 66.1778

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.



63.3333, 70.3679, 59.0132



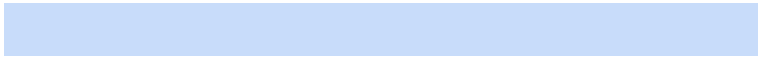
66.6679, 70.3679, 100.5111



70.9485, 70.3679, 59.5319

Square

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



66.6679, 70.3679, 100.5111



74.7742, 70.3679, 77.2358



67.0977, 70.3679, 56.8486



59.5667, 70.3679, 76.0048

Rectangle

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



66.6679, 70.3679, 100.5111



72.7290, 70.3679, 92.0103



67.0977, 70.3679, 56.8486



61.3582, 70.3679, 63.0470

Sweetspot

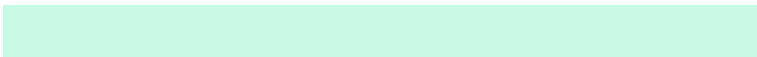
The Sweet Spot groups the original color and five complimentary colors.



66.6700, 70.3708, 100.5127



86.7847, 91.4954, 107.6941



72.1725, 86.3184, 87.1094



18.3904, 19.3921, 23.0237



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.



66.6700, 70.3708, 100.5127



65.3918, 68.9527, 104.4704



62.8586, 61.0732, 98.9190



16.8529, 17.7826, 21.9294



11.7022, 8.7600, 49.0476



1.1844, 1.0125, 4.5762

Inverse Universe

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



72.9986, 66.8015, 76.7599



73.1793, 64.8314, 75.1809



82.5598, 92.1053, 68.0718



17.5323, 17.3403, 19.3928



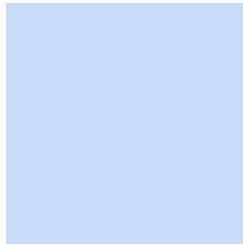
22.1988, 11.2952, 7.7551



2.1067, 1.0664, 0.9855

Previews

White Background



This preview shows how the XYZ color 66.6679, 70.3679, 100.5111 looks on a white background.

Color Contrast Check

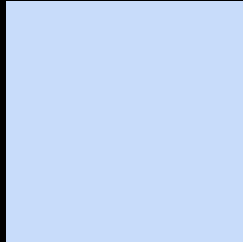
Large Text (above 18pt) WCAG AA × Fail

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 66.6679, 70.3679, 100.5111 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

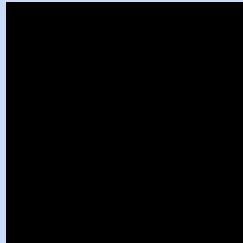
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

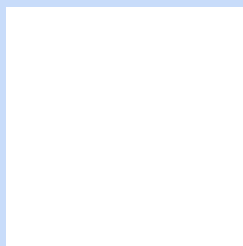
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 66.6679, 70.3679, 100.5111

Background



This preview shows how black text looks on a background with the XYZ color 66.6679, 70.3679, 100.5111.



This preview shows how white text looks on a background with the XYZ color 66.6679, 70.3679,

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

66.6679, 70.3679, 100.5111

Protanopia

68.9397, 70.0352, 98.6916

Deuteranopia

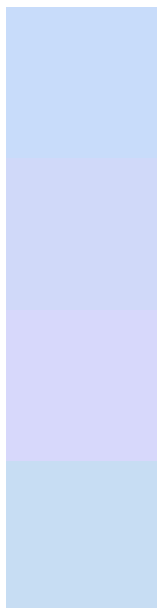
71.6383, 70.2415, 101.0490



Tritanopia

64.9900, 70.4803, 91.8401

Trichromacy



Original Color

66.6679, 70.3679, 100.5111

Protanomaly

67.9242, 69.8752, 99.5298

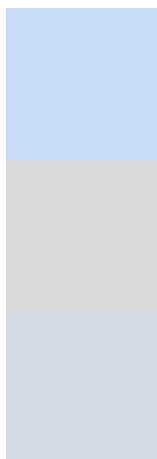
Deuteranomaly

69.9928, 70.5238, 101.1902

Tritanomaly

65.5873, 70.3261, 94.9115

Monochromacy



Original Color

66.6679, 70.3679, 100.5111

Achromatopsia

65.9525, 69.3872, 75.5626

Achromatomaly

66.0782, 69.6488, 84.0896

CSS Examples

Text

The CSS property to change the color of the text to XYZ 66.6679, 70.3679, 100.5111 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(200, 220, 250)` looks like.

```
.text, #text, p{  
    color:rgb(200, 220, 250)  
}
```

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(200, 220, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 220, 250) }
```

Border

The CSS property to change the border of an element to XYZ 66.6679, 70.3679, 100.5111 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(200, 220, 250) }
```


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

```
.border{ border-color:rgb(200, 220, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 220, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 220, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 220, 250);  
box-shadow:4px 4px 4px 4px rgb(200, 220,  
250) }
```

Background

The CSS property to change the background color of an element to XYZ 66.6679, 70.3679, 100.5111 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 220, 250) }
```

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

```
.background{ background-color: rgb(200,  
220, 250) }
```

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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