

Converting Colors

XYZ(67.0970, 70.8543,
101.3312)

Have a look what the booklet for
XYZ(67.0970, 70.8543, 101.3312)
contains.

XYZ(67.0885, 70.9573, 101.4270)	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(67.0885, 70.9573,
101.4270)**

Conversions

Conversions Part 1

Format	Color
Hex	C8DDFB
RGB	200, 221, 251
RGB Percent	78%, 87%, 98%
CMY	0.2157, 0.1333, 0.0157
CMYK	0.20, 0.12, 0.00, 0.02
HSL	215°, 86%, 88%
HSV	215°, 20%, 98%
XYZ	67.0885, 70.9573, 101.4270
YIQ	218.1410, -22.1460, 4.8780

Conversions

Conversions Part 2

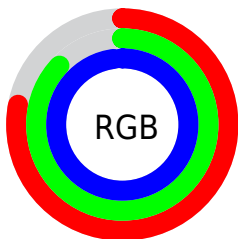
Format	Color
R _Y B	200, 215, 251
Decimal	13164027
CIE Lab	87.46, -0.78, -16.94
CIE LCh	87, 16.958, 267.356
Yxy	70.9573, 0.2802, 0.2963
Android (android.graphics.Color)	4291354107 (0xFFC8DDFB)
YUV	218.1410, 16.1995, -15.9097
Hunter-Lab	84.2362, -5.2499, -12.4245

Details

The XYZ color **67.0885, 70.9573, 101.4270** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **78.5066, 81.2733, 66.1949**, and the grayscale version is **66.6423, 70.1129, 76.3529**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **35.0509, 37.1872, 56.3694** is the 20% darker color. If you saturate the color by 10%, you get **57.1995, 60.3265, 99.8974**, and if you desaturate by 10%, it is **78.4251, 82.8468, 103.1256**.

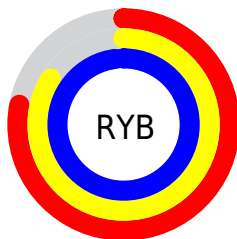
Distribution



Red (78%)

Green (87%)

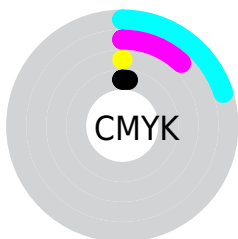
Blue (98%)



Red (78%)

Yellow (84%)

Blue (98%)

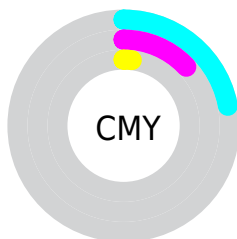


Cyan (20%)

Magenta (12%)

Yellow (0%)

Black (2%)



Cyan (22%)

Magenta (13%)

Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 67.0885, 70.9573, 101.4270 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 67.0885, 70.9573, 101.4270 by changing the saturation by 10% instead.

■ 67.0885, 70.9573,
101.4270

■ 67.0885, 70.9573,
101.4270

439.6872,
463.9042, 586.0438

■ 49.4275, 52.3074,
76.8693

114.0963,
120.5729, 165.1858

■ 35.1747, 37.2501,
56.6347

144.1738,
152.3074, 205.2239

■ 23.9646, 25.4012,
40.3046

179.1209,
189.1721, 251.2593

■ 15.4320, 16.3762,
27.4605

219.3029,
231.5516, 303.7105

■ 9.2114, 9.7908,
17.6839

265.0852,
279.8301, 362.9960

■ 4.9375, 5.2604,
10.5562

316.8331,

■ 2.2450, 2.4009,

334.3921, 429.5344

5.6589

374.9120,
395.6220, 503.7441

■ 0.7663, 0.8263,
2.5734

■ 0.0000, 0.0000,
0.8787

■ 67.0885, 70.9573,
101.4270

■ 67.0885, 70.9573,
101.4270

■ 57.1995, 60.3265,
99.8974

■ 78.4251, 82.8468,
103.1256

■ 48.6892, 50.9005,
98.5266

■ 91.2611, 96.0289,
104.9934

■ 41.4925, 42.6340,
97.3103

■ 94.4128, 99.7451,
105.5446

■ 35.5360, 35.4748,
96.2424

■ 30.7384, 29.3664,
95.3162

■ 27.0076, 24.2455,
94.5244

■ 24.2350, 20.0397,
93.8587

■ 22.2994, 16.7383,
93.3235

Harmonies

Analogous

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



63.3773, 70.9573, 97.3384



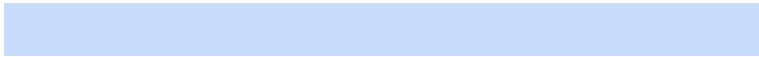
67.0885, 70.9573, 101.4270



71.0402, 70.9573, 98.5289

Triad

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



67.0885, 70.9573, 101.4270



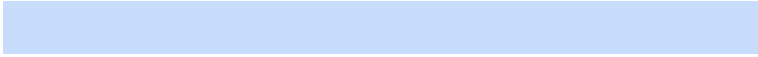
74.5093, 70.9573, 67.5714



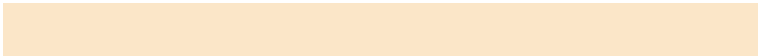
61.1697, 70.9573, 65.9741

Complementary

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



67.0885, 70.9573, 101.4270



78.5066, 81.2733, 66.1949

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.



63.9689, 70.9573, 59.2966



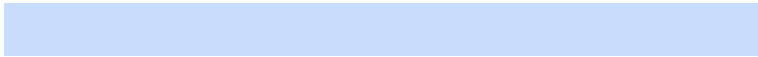
67.0885, 70.9573, 101.4270



71.6785, 70.9573, 60.1527

Square

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



67.0885, 70.9573, 101.4270



75.4238, 70.9573, 78.2813



67.7983, 70.9573, 57.2741



60.0457, 70.9573, 76.2485

Rectangle

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



67.0885, 70.9573, 101.4270



73.2617, 70.9573, 93.1689



67.7983, 70.9573, 57.2741



61.9404, 70.9573, 63.2745

Sweetspot

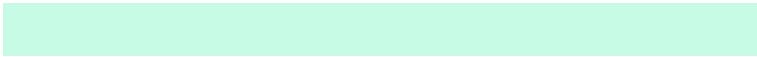
The Sweet Spot groups the original color and five complimentary colors.



67.0907, 70.9602, 101.4286



86.8394, 91.6047, 107.7123



72.5659, 86.9743, 87.6436



18.4033, 19.4179, 23.0280



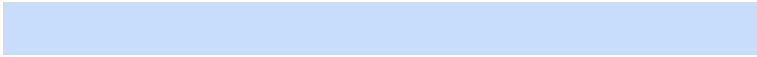
0.0000, 0.0000, 0.0000



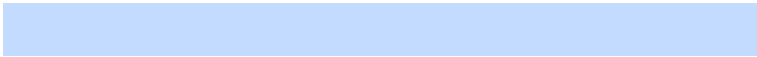
20.3446, 21.4041, 23.3091

Same Dimension

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



67.0907, 70.9602, 101.4286



65.5791, 69.3273, 104.5329



63.0390, 61.1481, 99.7482



16.8701, 17.8170, 21.9352



11.8565, 9.0685, 49.0990



1.1997, 1.0430, 4.5813

Inverse Universe

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



73.4909, 67.0401, 77.4764



73.2738, 64.8692, 75.6788



83.1935, 92.8945, 68.1910



17.5410, 17.3437, 19.4385



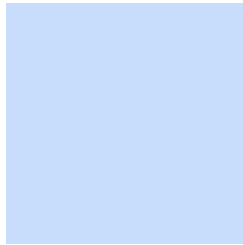
22.2766, 11.3264, 8.1651



2.1145, 1.0695, 1.0262

Previews

White Background



This preview shows how the XYZ color 67.0885, 70.9573, 101.4270 looks on a white background.

Color Contrast Check

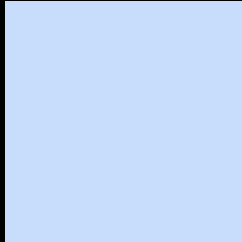
Large Text (above 18pt) WCAG AA × Fail

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 67.0885, 70.9573, 101.4270 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

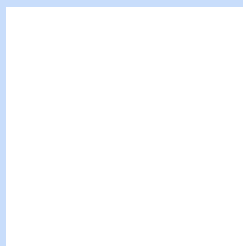
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 67.0885, 70.9573, 101.4270

Background



This preview shows how black text looks on a background with the XYZ color 67.0885, 70.9573, 101.4270.



This preview shows how white text looks on a background with the XYZ color 67.0885, 70.9573,

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

67.0885, 70.9573, 101.4270

Protanopia

69.6433, 70.7614, 99.6103

Deuteranopia

72.2643, 70.5276, 102.7330



Tritanopia

65.4046, 71.0724, 92.7092

Trichromacy



Original Color

67.0885, 70.9573, 101.4270

Protanomaly

68.6212, 70.6002, 100.4530

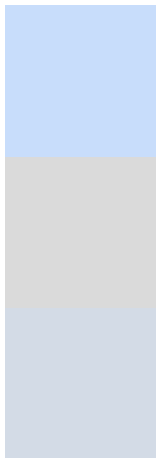
Deuteranomaly

70.1509, 70.5871, 102.0228

Tritanomaly

66.0036, 70.9163, 95.7974

Monochromacy



Original Color

67.0885, 70.9573, 101.4270

Achromatopsia

66.6397, 70.1102, 76.3500

Achromatomaly

66.4784, 70.2251, 84.9139

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.0885, 70.9573, 101.4270 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, 221, 251)` looks like.

```
.text, #text, p{  
    color:rgb(200, 221, 251)  
}
```

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, 221, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 221, 251) }
```

Border

The CSS property to change the border of an element to XYZ 67.0885, 70.9573, 101.4270 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, 221, 251) }
```


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

```
.border{ border-color:rgb(200, 221, 251) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 221, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 221, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 221, 251);  
box-shadow:4px 4px 4px 4px rgb(200, 221,  
251) }
```

Background

The CSS property to change the background color of an element to XYZ 67.0885, 70.9573, 101.4270 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 221, 251) }
```

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

```
.background{ background-color: rgb(200,  
221, 251) }
```

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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