

Converting Colors

XYZ(67.9811, 71.1224,
104.7528)

Have a look what the booklet for
XYZ(67.9811, 71.1224, 104.7528)
contains.

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Color

**XYZ(68.0003, 70.9630,
104.7210)**

Conversions

Conversions Part 1

Format	Color
Hex	CADCFF
RGB	202, 220, 255
RGB Percent	79%, 86%, 100%
CMY	0.2078, 0.1372, 0.0000
CMYK	0.21, 0.14, 0.00, 0.00
HSL	220°, 100%, 90%
HSV	220°, 21%, 100%
XYZ	68.0003, 70.9630, 104.7210
YIQ	218.6080, -21.9630, 7.0690

Conversions

Conversions Part 2

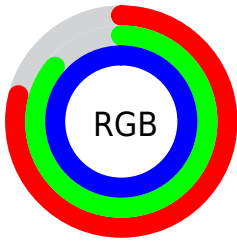
Format	Color
R_{YB}	202, 215, 255
Decimal	13294847
CIE Lab	87.47, 1.21, -19.03
CIE LCh	87, 19.066, 273.649
Yxy	70.9630, 0.2791, 0.2912
Android (android.graphics.Color)	4291484927 (0xFFCADCFF)
YUV	218.6080, 17.9413, -14.5652
Hunter-Lab	84.2395, -3.3295, -14.7377

Details

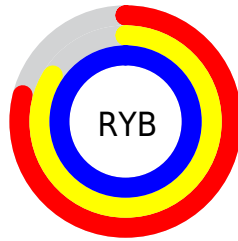
The XYZ color **68.0003, 70.9630, 104.7210** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **82.1845, 86.0915, 68.1644**, and the grayscale version is **66.9528, 70.4396, 76.7087**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **35.6808, 37.1905, 58.7240** is the 20% darker color. If you saturate the color by 10%, you get **57.4636, 59.2994, 103.0250**, and if you desaturate by 10%, it is **80.1260, 84.1102, 106.6195**.

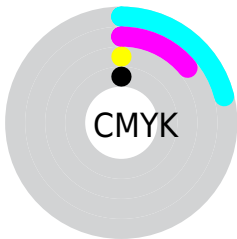
Distribution



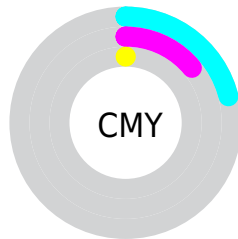
- Red (79%)
- Green (86%)
- Blue (100%)



- Red (79%)
- Yellow (84%)
- Blue (100%)



- Cyan (21%)
- Magenta (14%)
- Yellow (0%)
- Black (0%)



- Cyan (21%)
- Magenta (14%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.0003, 70.9630, 104.7210 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 68.0003, 70.9630, 104.7210 by changing the saturation by 10% instead.

■ 68.0003, 70.9630,
104.7210

■ 68.0003, 70.9630,
104.7210

442.8738,
463.9241, 596.6004

■ 50.1717, 52.3120,
79.6103

115.3945,
120.5810, 169.7382

■ 35.7682, 37.2538,
58.8734

145.6907,
152.3169, 210.4817

■ 24.4245, 25.4041,
42.0919

180.8736,
189.1831, 257.2733

■ 15.7752, 16.3784,
28.8471

221.3083,
231.5641, 310.5314

■ 9.4551, 9.7923,
18.7206

267.3604,
279.8443, 370.6746

■ 5.0987, 5.2615,
11.2938

319.3950,

■ 2.3406, 2.4015,

334.4081, 438.1215

6.1482

377.7777,
395.6399, 513.2906

■ 0.8153, 0.8266,
2.8651

■ 0.0000, 0.0000,
1.0262

■ 68.0003, 70.9630,
104.7210

■ 68.0003, 70.9630,
104.7210

■ 57.4636, 59.2994,
103.0250

■ 80.1260, 84.1102,
106.6195

■ 48.4412, 49.0559,
101.5234

■ 93.8996, 98.7845,
108.7260

■ 40.8604, 40.1766,
100.2090

■ 95.0500, 100.0000,
108.9000

■ 34.6402, 32.5982,
99.0741

■ 29.6909, 26.2518,
98.1100

■ 25.9107, 21.0609,
97.3073

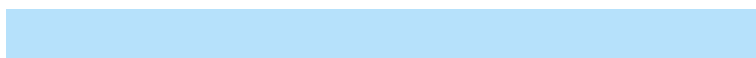
■ 23.1799, 16.9380,
96.6554

■ 21.4274, 13.9748,
96.1758

Harmonies

Analogous

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



63.6810, 70.9630, 101.6603



68.0003, 70.9630, 104.7210



72.3559, 70.9630, 99.7787

Triad

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



68.0003, 70.9630, 104.7210



74.9084, 70.9630, 64.3361



59.9899, 70.9630, 66.7838

Complementary

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



68.0003, 70.9630, 104.7210



82.1845, 86.0915, 68.1644

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.



62.7676, 70.9630, 58.4242



68.0003, 70.9630, 104.7210



71.3611, 70.9630, 57.1252

Square

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



68.0003, 70.9630, 104.7210



76.4545, 70.9630, 75.7005



66.8991, 70.9630, 55.0863



59.1785, 70.9630, 78.8543

Rectangle

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



68.0003, 70.9630, 104.7210



74.6578, 70.9630, 92.9006



66.8991, 70.9630, 55.0863



60.7183, 70.9630, 63.4931

Sweetspot

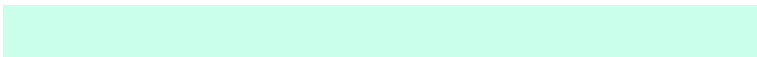
The Sweet Spot groups the original color and five complimentary colors.



68.0023, 70.9658, 104.7214



86.5047, 90.9354, 107.6007



75.3237, 90.1593, 93.1333



18.3243, 19.2600, 23.0017



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.



68.0023, 70.9658, 104.7214



63.3691, 65.8693, 103.9819



65.7359, 63.1569, 103.3336



17.5073, 18.3862, 22.8761



11.3197, 7.5490, 50.2951



1.1987, 0.9280, 4.9292

Inverse Universe

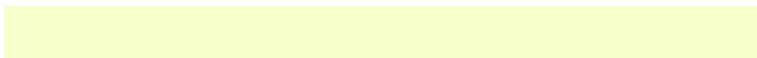
The Inverse Universe completely reimagines the original color for something new.



75.2800, 68.6698, 77.0003



71.9235, 63.4300, 71.3398



84.7965, 95.5677, 69.8559



18.2640, 18.0889, 20.0071



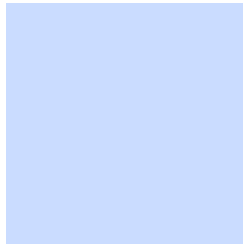
22.5019, 11.4900, 6.0274



2.2396, 1.1382, 0.8434

Previews

White Background



This preview shows how the XYZ color 68.0003, 70.9630, 104.7210 looks on a white background.

Color Contrast Check

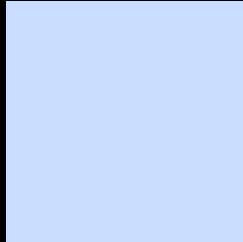
Large Text (above 18pt) WCAG AA × Fail

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 68.0003, 70.9630, 104.7210 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

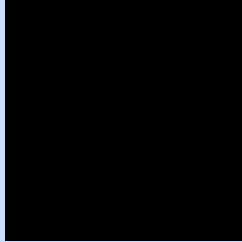
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

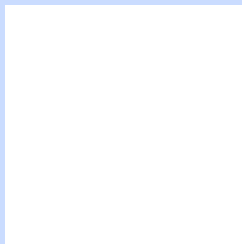
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 68.0003, 70.9630, 104.7210

Background



This preview shows how black text looks on a background with the XYZ color 68.0003, 70.9630, 104.7210.



This preview shows how white text looks on a background with the XYZ color 68.0003, 70.9630,

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

68.0003, 70.9630, 104.7210

Protanopia

69.6939, 70.7146, 102.9045

Deuteranopia

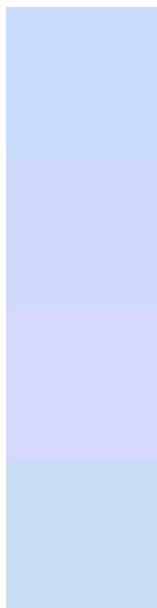
72.2208, 70.8427, 104.4753



Tritanopia

65.6690, 71.2087, 92.7216

Trichromacy



Original Color

68.0003, 70.9630, 104.7210

Protanomaly

68.9732, 70.7085, 103.7788

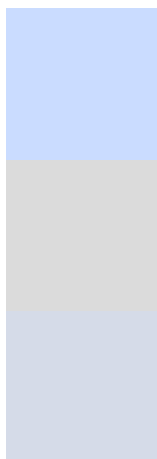
Deuteranomaly

70.6302, 70.7788, 104.5468

Tritanomaly

66.4221, 71.1145, 96.6118

Monochromacy



Original Color

68.0003, 70.9630, 104.7210

Achromatopsia

67.3311, 70.8376, 77.1421

Achromatomaly

67.3376, 70.6354, 86.4288

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.0003, 70.9630, 104.7210 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(202, 220, 255)` looks like.

```
.text, #text, p{  
    color:rgb(202, 220, 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(202, 220, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 220, 255) }
```

Border

The CSS property to change the border of an element to XYZ 68.0003, 70.9630, 104.7210 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(202, 220, 255) }
```


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

```
.border{ border-color:rgb(202, 220, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 220, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 220, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 220, 255);  
box-shadow:4px 4px 4px 4px rgb(202, 220,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 68.0003, 70.9630, 104.7210 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 220, 255) }
```

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

```
.background{ background-color: rgb(202,  
220, 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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