

Converting Colors

XYZ(71.0733, 76.2380,
105.5772)

Have a look what the booklet for
XYZ(71.0733, 76.2380, 105.5772)
contains.

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Color

**XYZ(70.9712, 76.0960,
105.5552)**

Conversions

Conversions Part 1

Format	Color
Hex	CCE5FF
RGB	204, 229, 255
RGB Percent	80%, 90%, 100%
CMY	0.2000, 0.1019, 0.0000
CMYK	0.20, 0.10, 0.00, 0.00
HSL	211°, 100%, 90%
HSV	211°, 20%, 100%
XYZ	70.9712, 76.0960, 105.5552
YIQ	224.4890, -23.2460, 2.7860

Conversions

Conversions Part 2

Format	Color
RYB	204, 221, 255
Decimal	13428223
CIELab	89.90, -2.87, -15.35
CIELCh	90, 15.614, 259.408
Yxy	76.0960, 0.2809, 0.3012
Android (android.graphics.Color)	4291618303 (0xFFCCE5FF)
YUV	224.4890, 15.0419, -17.9689
Hunter-Lab	87.2330, -7.4334, -10.6800

Details

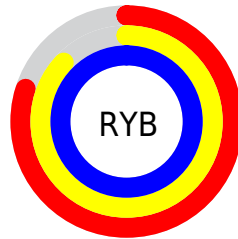
The XYZ color **70.9712, 76.0960, 105.5552** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **80.4358, 82.2124, 68.7577**, and the grayscale version is **71.1107, 74.8140, 81.4725**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **37.7235, 40.7389, 59.3012** is the 20% darker color. If you saturate the color by 10%, you get **61.0832, 65.8596, 104.1005**, and if you desaturate by 10%, it is **82.2769, 87.4670, 107.1541**.

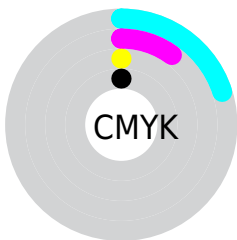
Distribution



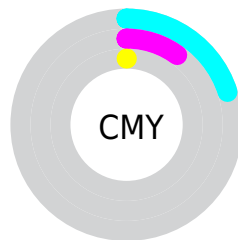
- Red (80%)
- Green (90%)
- Blue (100%)



- Red (80%)
- Yellow (87%)
- Blue (100%)



- Cyan (20%)
- Magenta (10%)
- Yellow (0%)
- Black (0%)



- Cyan (20%)
- Magenta (10%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 70.9712, 76.0960, 105.5552 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 70.9712, 76.0960, 105.5552 by changing the saturation by 10% instead.

■ 70.9712, 76.0960,
105.5552

■ 70.9712, 76.0960,
105.5552

453.1662,
481.6763, 599.2582

■ 52.6011, 56.5112,
80.3053

119.6115,
127.8626, 170.8888

■ 37.7107, 40.6130,
59.4420

150.6124,
160.8132, 211.8096

■ 25.9344, 28.0168,
42.5467

186.5543,
198.9879, 258.7911

■ 16.9070, 18.3383,
29.2008

227.8025,
242.7711, 312.2518

■ 10.2631, 11.1931,
18.9859

274.7225,
292.5471, 372.6104

■ 5.6373, 6.1969,
11.4834

327.6795,

■ 2.6644, 2.9652,

348.7004, 440.2853

6.2747

387.0389,
411.6153, 515.6950

■ 0.9789, 1.1136,
2.9414

■ 0.0000, 0.0000,
1.0648

■ 70.9712, 76.0960,
105.5552

■ 70.9712, 76.0960,
105.5552

■ 61.0832, 65.8596,
104.1005

■ 82.2769, 87.4670,
107.1541

■ 52.5452, 56.7082,
102.7841

95.0500, 100.0000,
108.9000

■ 45.2930, 48.6018,
101.6016

■ 39.2542, 41.4936,
100.5479

■ 34.3484, 35.3327,
99.6173

■ 30.4843, 30.0617,
98.8035

■ 27.5542, 25.6147,
98.0996

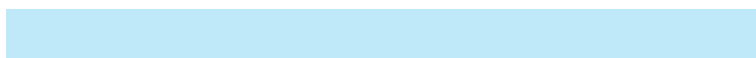
■ 25.3859, 21.8917,
97.4953

■ 25.3857, 21.8913,
97.4952

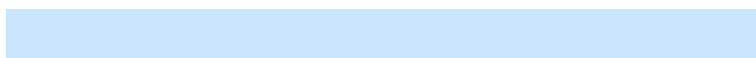
Harmonies

Analogous

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



67.6043, 76.0960, 100.0676



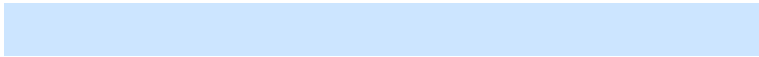
70.9712, 76.0960, 105.5552



74.8214, 76.0960, 104.5646

Triad

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



70.9712, 76.0960, 105.5552



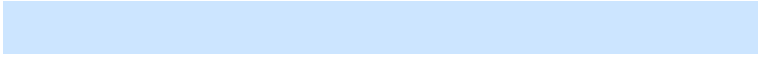
79.5556, 76.0960, 75.9912



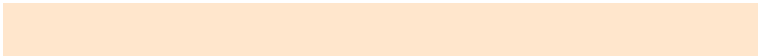
66.8361, 76.0960, 69.7800

Complementary

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



70.9712, 76.0960, 105.5552



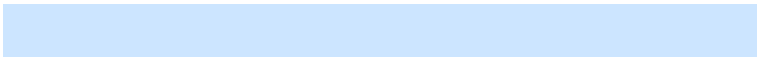
80.4358, 82.2124, 68.7577

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.



69.8886, 76.0960, 64.3807



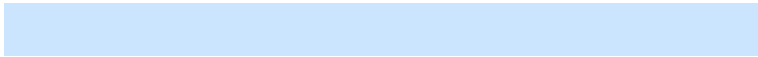
70.9712, 76.0960, 105.5552



77.2646, 76.0960, 67.7399

Square

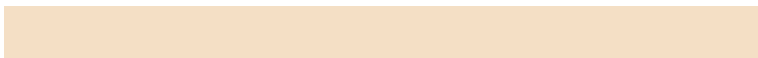
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



70.9712, 76.0960, 105.5552



79.8706, 76.0960, 86.8247



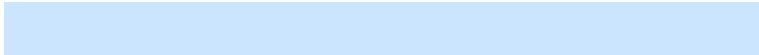
73.6999, 76.0960, 63.6686



65.2739, 76.0960, 79.0094

Rectangle

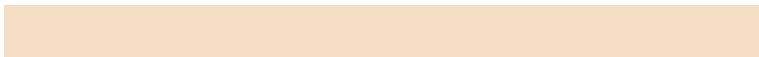
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



70.9712, 76.0960, 105.5552



77.1418, 76.0960, 100.3883



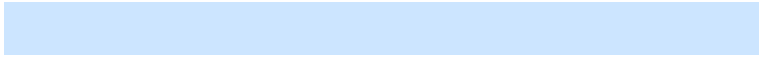
73.6999, 76.0960, 63.6686



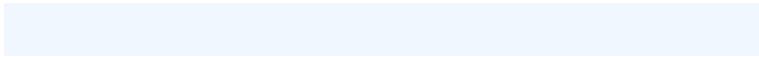
67.7168, 76.0960, 67.4932

Sweetspot

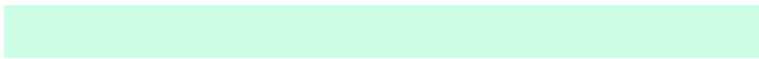
The Sweet Spot groups the original color and five complimentary colors.



70.9733, 76.0990, 105.5556



87.2057, 92.3373, 107.8344



74.8756, 90.0430, 87.9300



18.4898, 19.5910, 23.0569



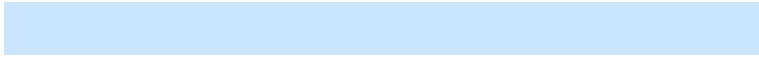
0.0000, 0.0000, 0.0000



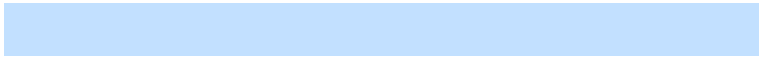
20.3446, 21.4041, 23.3091

Same Dimension

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



70.9733, 76.0990, 105.5556



66.8498, 71.8688, 104.9565



64.5462, 63.2449, 103.4133



17.7383, 18.8482, 22.9531



13.4131, 11.7358, 50.9929



1.4150, 1.3606, 5.0013

Inverse Universe

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



76.9771, 70.1045, 83.6066



73.9153, 65.1258, 79.0564



87.8994, 97.1398, 71.2456



18.3806, 18.1355, 20.6212



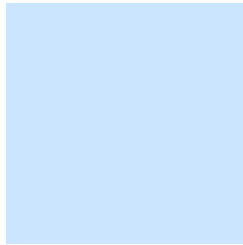
23.5585, 11.9127, 11.5915



2.3488, 1.1819, 1.4183

Previews

White Background



This preview shows how the XYZ color 70.9712, 76.0960, 105.5552 looks on a white background.

Color Contrast Check

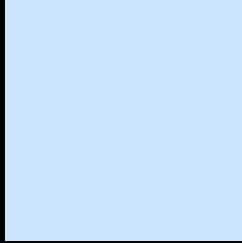
Large Text (above 18pt) WCAG AA × Fail

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 70.9712, 76.0960, 105.5552 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

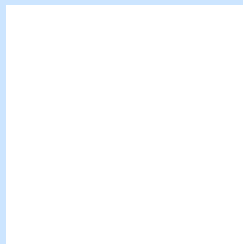
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 70.9712, 76.0960, 105.5552

Background



This preview shows how black text looks on a background with the XYZ color 70.9712, 76.0960, 105.5552.



This preview shows how white text looks on a background with the XYZ color 70.9712, 76.0960,

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

70.9712, 76.0960, 105.5552

Protanopia

74.3505, 75.8692, 102.8210

Deuteranopia

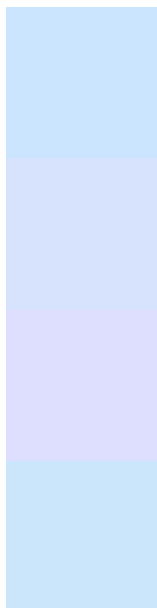
77.2475, 75.7300, 105.1537



Tritanopia

69.8687, 76.0674, 99.8069

Trichromacy



Original Color

70.9712, 76.0960, 105.5552

Protanomaly

72.9503, 75.9316, 103.7399

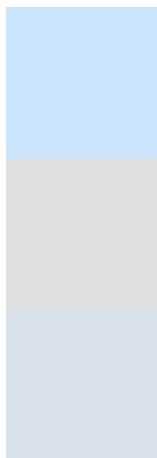
Deuteranomaly

74.5619, 75.5249, 105.2557

Tritanomaly

70.3380, 76.2552, 102.2783

Monochromacy



Original Color

70.9712, 76.0960, 105.5552

Achromatopsia

70.8507, 74.5404, 81.1745

Achromatomaly

70.8070, 75.1426, 89.3693

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.9712, 76.0960, 105.5552 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(204, 229, 255)` looks like.

```
.text, #text, p{  
    color:rgb(204, 229, 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(204, 229, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 229, 255) }
```

Border

The CSS property to change the border of an element to XYZ 70.9712, 76.0960, 105.5552 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(204, 229, 255) }
```


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

```
.border{ border-color:rgb(204, 229, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 229, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 229, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 229, 255);  
box-shadow:4px 4px 4px 4px rgb(204, 229,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 70.9712, 76.0960, 105.5552 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 229, 255) }
```

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

```
.background{ background-color: rgb(204,  
229, 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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