

Converting Colors

XYZ(77.9568, 78.4833,
142.3689)

Have a look what the booklet for
XYZ(77.9568, 78.4833, 142.3689)
contains.

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Color

**XYZ(70.9702, 75.6859,
105.4761)**

Conversions

Conversions Part 1

Format	Color
Hex	CDE4FF
RGB	205, 228, 255
RGB Percent	80%, 89%, 100%
CMY	0.1961, 0.1059, 0.0000
CMYK	0.20, 0.11, 0.00, 0.00
HSL	212°, 100%, 90%
HSV	212°, 20%, 100%
XYZ	70.9702, 75.6859, 105.4761
YIQ	224.2010, -22.3750, 3.5210

Conversions

Conversions Part 2

Format	Color
R _Y B	205, 221, 255
Decimal	13493503
CIE Lab	89.71, -2.05, -15.63
CIE LCh	90, 15.762, 262.524
Yxy	75.6859, 0.2815, 0.3002
Android (android.graphics.Color)	4291683583 (0xFFCDE4FF)
YUV	224.2010, 15.1839, -16.8393
Hunter-Lab	86.9976, -6.6307, -10.9850

Details

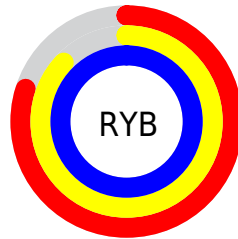
The XYZ color **70.9702, 75.6859, 105.4761** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **81.1158, 83.3799, 69.5779**, and the grayscale version is **70.9032, 74.5957, 81.2347**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **37.7143, 40.4484, 59.2456** is the 20% darker color. If you saturate the color by 10%, you get **60.8632, 65.0766, 103.9609**, and if you desaturate by 10%, it is **82.5293, 87.4955, 107.1463**.

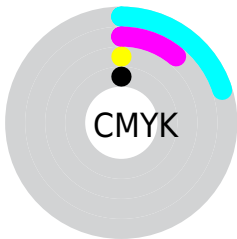
Distribution



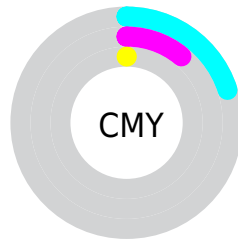
- Red (80%)
- Green (89%)
- Blue (100%)



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



- Cyan (20%)
- Magenta (11%)
- Yellow (0%)
- Black (0%)



- Cyan (20%)
- Magenta (11%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 70.9702, 75.6859, 105.4761 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 70.9702, 75.6859, 105.4761 by changing the saturation by 10% instead.

■ 70.9702, 75.6859,
105.4761

■ 70.9702, 75.6859,
105.4761

453.1627,
480.2718, 599.0065

■ 52.6003, 56.1750,
80.2394

119.6100,
127.2828, 170.7797

■ 37.7100, 40.3432,
59.3880

150.6107,
160.1376, 211.6837

■ 25.9339, 27.8063,
42.5035

186.5524,
198.2091, 258.6472

■ 16.9066, 18.1797,
29.1672

227.8003,
241.8818, 312.0888

■ 10.2628, 11.0791,
18.9607

274.7200,
291.5400, 372.4270

■ 5.6372, 6.1200,
11.4654

327.6767,

■ 2.6643, 2.9182,

347.5681, 440.0803

6.2627

387.0358,
410.3506, 515.4673

■ 0.9788, 1.0892,
2.9341

■ 0.0000, 0.0000,
1.0611

■ 70.9702, 75.6859,
105.4761

■ 70.9702, 75.6859,
105.4761

■ 60.8632, 65.0766,
103.9609

■ 82.5293, 87.4955,
107.1463

■ 52.1398, 55.6160,
102.5946

95.0500, 100.0000,
108.9000

■ 44.7346, 47.2617,
101.3724

■ 38.5742, 39.9646,
100.2886

■ 33.5775, 33.6712,
99.3372

■ 29.6521, 28.3218,
98.5116

■ 26.6897, 23.8477,
97.8041

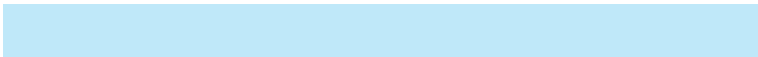
■ 24.5243, 20.1500,
97.2045

■ 24.4483, 20.0166,
97.1828

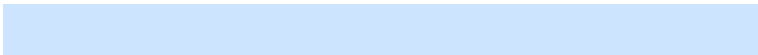
Harmonies

Analogous

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



67.4901, 75.6859, 100.5668



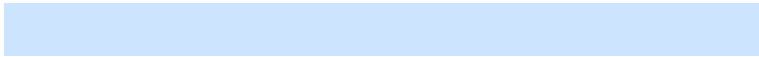
70.9702, 75.6859, 105.4761



74.8348, 75.6859, 103.7772

Triad

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



70.9702, 75.6859, 105.4761



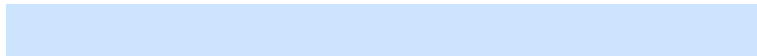
79.0555, 75.6859, 74.4877



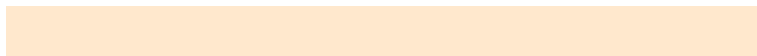
66.1740, 75.6859, 70.0736

Complementary

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



70.9702, 75.6859, 105.4761



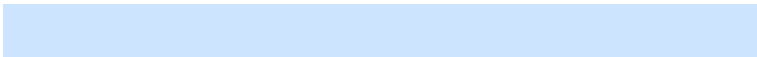
81.1158, 83.3799, 69.5779

Split Complementary

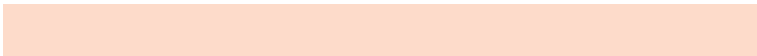
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



69.1153, 75.6859, 64.1960



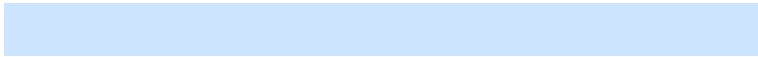
70.9702, 75.6859, 105.4761



76.5754, 75.6859, 66.5801

Square

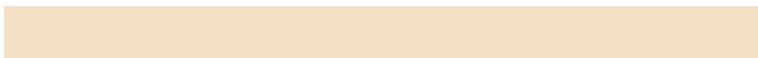
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



70.9702, 75.6859, 105.4761



79.5955, 75.6859, 85.2224



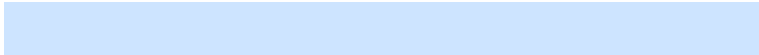
72.9129, 75.6859, 62.9771



64.7865, 75.6859, 79.6584

Rectangle

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



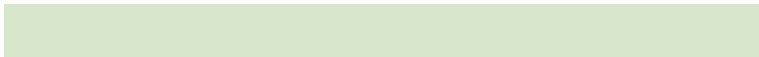
70.9702, 75.6859, 105.4761



77.1016, 75.6859, 99.1912



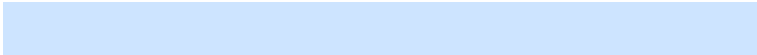
72.9129, 75.6859, 62.9771



67.0086, 75.6859, 67.6354

Sweetspot

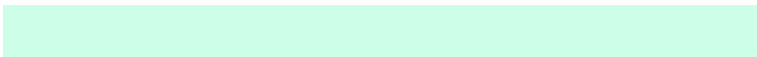
The Sweet Spot groups the original color and five complimentary colors.



70.9722, 75.6889, 105.4765



87.0644, 92.0548, 107.7873



75.4559, 90.3068, 89.5508



18.4564, 19.5242, 23.0457



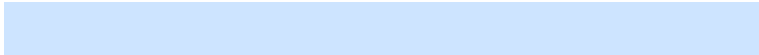
0.0000, 0.0000, 0.0000



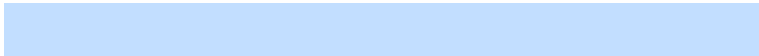
20.3446, 21.4041, 23.3091

Same Dimension

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



70.9722, 75.6889, 105.4765



66.3564, 70.8821, 104.7920



65.5217, 64.1017, 103.5272



17.6916, 18.7548, 22.9375



12.9202, 10.7500, 50.8286



1.3658, 1.2623, 4.9849

Inverse Universe

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



77.0762, 70.5256, 82.9527



73.6662, 65.0262, 77.7450



87.4093, 96.8732, 71.8507



18.3570, 18.1261, 20.4971



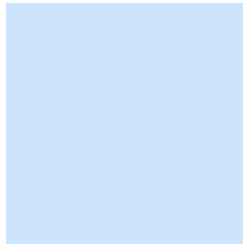
23.3097, 11.8132, 10.2815



2.3240, 1.1720, 1.2876

Previews

White Background



This preview shows how the XYZ color 70.9702, 75.6859, 105.4761 looks on a white background.

Color Contrast Check

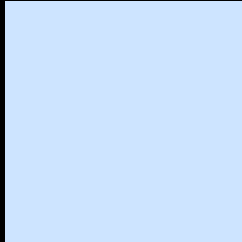
Large Text (above 18pt) WCAG AA × Fail

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 70.9702, 75.6859, 105.4761 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

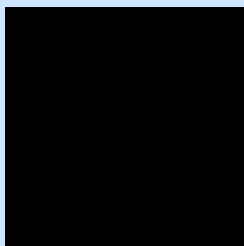
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

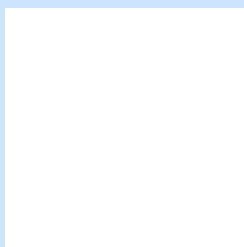
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 70.9702, 75.6859, 105.4761

Background



This preview shows how black text looks on a background with the XYZ color 70.9702, 75.6859, 105.4761.

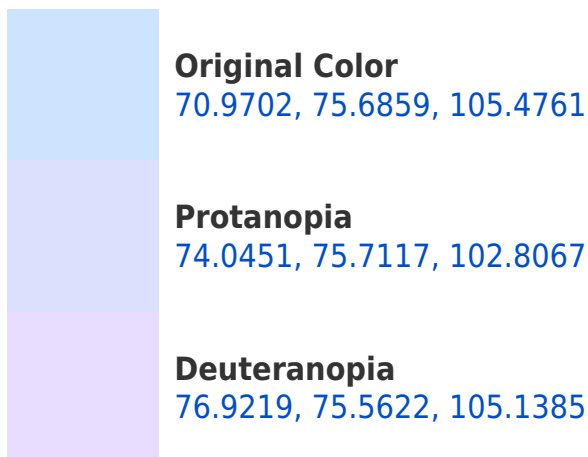


This preview shows how white text looks on a background with the XYZ color 70.9702, 75.6859,

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

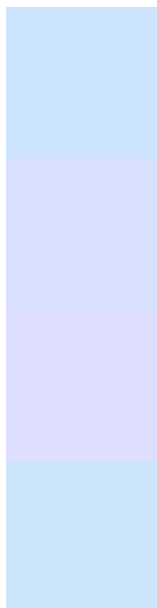




Tritanopia

69.7097, 75.5914, 98.9122

Trichromacy



Original Color

70.9702, 75.6859, 105.4761

Protanomaly

72.6792, 75.3893, 103.6495

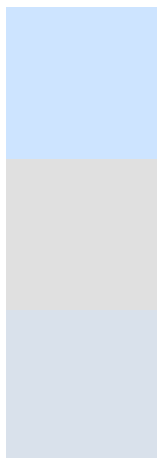
Deuteranomaly

74.5619, 75.5249, 105.2557

Tritanomaly

70.1765, 75.7781, 101.3704

Monochromacy



Original Color

70.9702, 75.6859, 105.4761

Achromatopsia

70.8507, 74.5404, 81.1745

Achromatomaly

70.5359, 74.6003, 89.2789

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.9702, 75.6859, 105.4761 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(205, 228, 255)` looks like.

```
.text, #text, p{  
    color:rgb(205, 228, 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(205, 228, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 228, 255) }
```

Border

The CSS property to change the border of an element to XYZ 70.9702, 75.6859, 105.4761 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(205, 228, 255) }
```


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

```
.border{ border-color:rgb(205, 228, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 228, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 228, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 228, 255);  
box-shadow:4px 4px 4px 4px rgb(205, 228,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 70.9702, 75.6859, 105.4761 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 228, 255) }
```

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

```
.background{ background-color: rgb(205,  
228, 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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