

Converting Colors

XYZ(72.0732, 78.6903,
112.3089)

Have a look what the booklet for
XYZ(72.0732, 78.6903, 112.3089)
contains.

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Color

**XYZ(70.7615, 78.0714,
105.9475)**

Conversions

Conversions Part 1

Format	Color
Hex	C6EAFF
RGB	198, 234, 255
RGB Percent	78%, 92%, 100%
CMY	0.2235, 0.0823, 0.0000
CMYK	0.22, 0.08, 0.00, 0.00
HSL	202°, 100%, 89%
HSV	202°, 22%, 100%
XYZ	70.7615, 78.0714, 105.9475
YIQ	225.6300, -28.1970, -1.1010

Conversions

Conversions Part 2

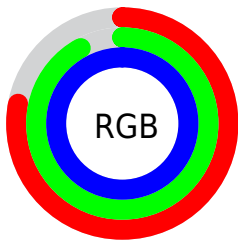
Format	Color
R _Y B	198, 220, 255
Decimal	13036287
CIE Lab	90.81, -7.23, -14.03
CIE LCh	91, 15.782, 242.719
Yxy	78.0714, 0.2777, 0.3064
Android (android.graphics.Color)	4291226367 (0xFFC6EAFF)
YUV	225.6300, 14.4794, -24.2315
Hunter-Lab	88.3580, -11.6749, -9.2423

Details

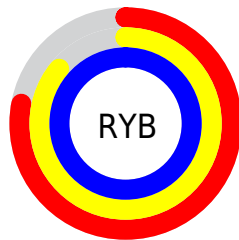
The XYZ color **70.7615, 78.0714, 105.9475** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **76.7644, 75.9994, 64.0512**, and the grayscale version is **71.9368, 75.6831, 82.4189**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **37.4411, 41.7576, 59.5128** is the 20% darker color. If you saturate the color by 10%, you get **61.9942, 69.6883, 104.7915**, and if you desaturate by 10%, it is **80.8064, 87.3275, 107.2047**.

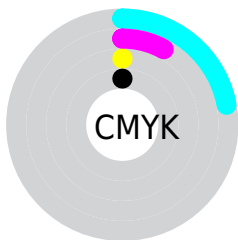
Distribution



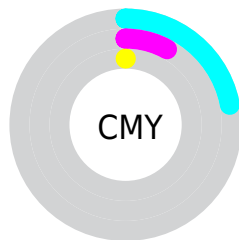
- Red (78%)
- Green (92%)
- Blue (100%)



- Red (78%)
- Yellow (86%)
- Blue (100%)



- Cyan (22%)
- Magenta (8%)
- Yellow (0%)
- Black (0%)



- Cyan (22%)
- Magenta (8%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 70.7615, 78.0714, 105.9475 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 70.7615, 78.0714, 105.9475 by changing the saturation by 10% instead.

70.7615, 78.0714,
105.9475

70.7615, 78.0714,
105.9475

452.4441,
488.4093, 600.5060

52.4294, 58.1326,
80.6323

119.3144,
130.6508, 171.4296

37.5731, 41.9153,
59.7096

150.2660,
164.0602, 212.4335

25.8273, 29.0350,
42.7608

186.1548,
202.7285, 259.5041

16.8265, 19.1073,
29.3675

227.3461,
247.0403, 313.0600

10.2054, 11.7478,
19.1110

274.2053,
297.3799, 373.5195

5.5986, 6.5722,
11.5729

327.0978,

2.6409, 3.1960,

354.1316, 441.3013

6.3346

386.3890,
417.6800, 516.8240

■ 0.9669, 1.2349,
2.9775

■ 0.0000, 0.0899,
1.0832

■ 70.7615, 78.0714,
105.9475

■ 70.7615, 78.0714,
105.9475

■ 61.9942, 69.6883,
104.7915

■ 80.8064, 87.3275,
107.2047

■ 54.4393, 62.1356,
103.7319

■ 92.1772, 97.4789,
108.5648

■ 48.0351, 55.3800,
102.7654

■ 95.0500, 100.0000,
108.9000

■ 42.7118, 49.3822,
101.8883

■ 38.3909, 44.0982,
101.0961

■ 34.9824, 39.4781,
100.3840

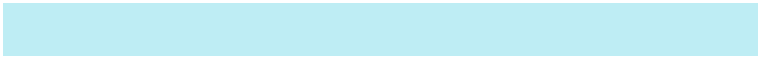
■ 32.3779, 35.4624,
99.7462

■ 30.8070, 32.7339,
99.3023

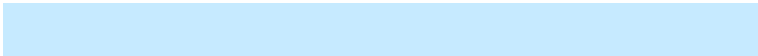
Harmonies

Analogous

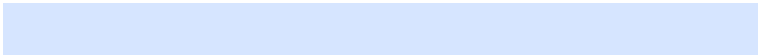
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



67.9677, 78.0714, 97.3753



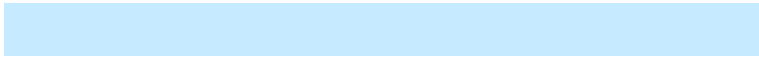
70.7615, 78.0714, 105.9475



74.5672, 78.0714, 108.7588

Triad

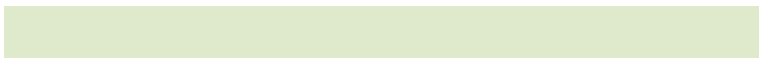
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



70.7615, 78.0714, 105.9475



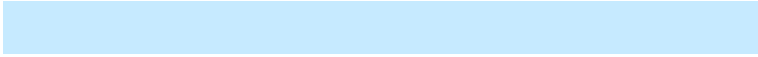
82.0910, 78.0714, 83.9738



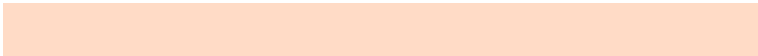
70.1557, 78.0714, 67.9133

Complementary

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



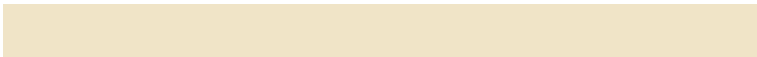
70.7615, 78.0714, 105.9475



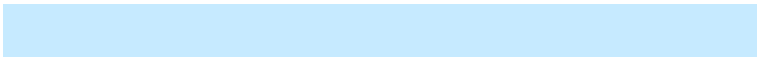
76.7644, 75.9994, 64.0512

Split Complementary

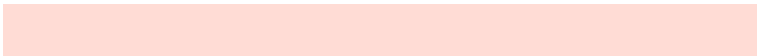
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



73.8431, 78.0714, 64.9916



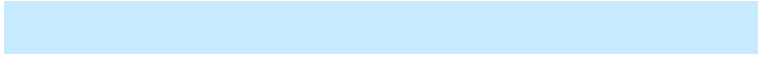
70.7615, 78.0714, 105.9475



80.8117, 78.0714, 73.7321

Square

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



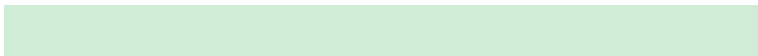
70.7615, 78.0714, 105.9475



81.1956, 78.0714, 95.4222



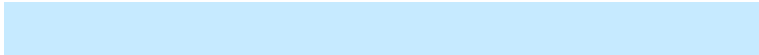
77.7575, 78.0714, 67.0244



67.6268, 78.0714, 75.3777

Rectangle

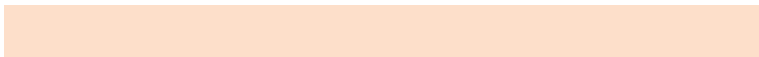
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



70.7615, 78.0714, 105.9475



77.1910, 78.0714, 106.8011



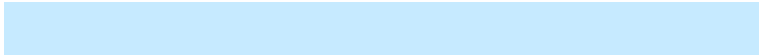
77.7575, 78.0714, 67.0244



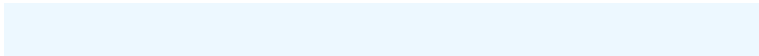
71.2961, 78.0714, 66.3990

Sweetspot

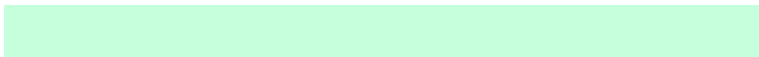
The Sweet Spot groups the original color and five complimentary colors.



70.7636, 78.0745, 105.9480



86.7233, 92.6467, 107.9195



71.8227, 88.6354, 80.2729



18.4154, 19.6990, 23.0816



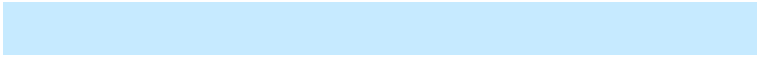
0.0000, 0.0000, 0.0000



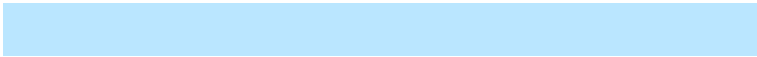
20.3446, 21.4041, 23.3091

Same Dimension

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



70.7636, 78.0745, 105.9480



66.5325, 74.0706, 105.3982



63.3152, 63.1776, 103.4652



17.9594, 19.2905, 23.0268



16.2448, 17.3992, 51.9368



1.6861, 1.9030, 5.0917

Inverse Universe

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



76.2867, 67.5902, 86.8709



73.0627, 62.1339, 82.7394



84.8167, 92.1040, 66.7353



18.4922, 18.1802, 21.2089



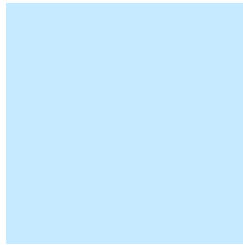
24.9878, 12.4844, 19.1182



2.4857, 1.2367, 2.1391

Previews

White Background



This preview shows how the XYZ color 70.7615, 78.0714, 105.9475 looks on a white background.

Color Contrast Check

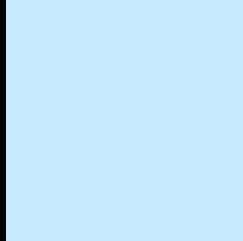
Large Text (above 18pt) WCAG AA × Fail

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 70.7615, 78.0714, 105.9475 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

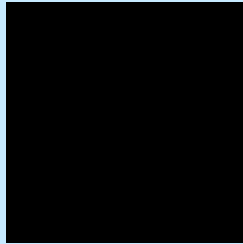
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

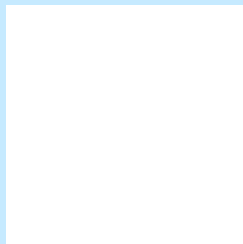
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 70.7615, 78.0714, 105.9475

Background



This preview shows how black text looks on a background with the XYZ color 70.7615, 78.0714, 105.9475.

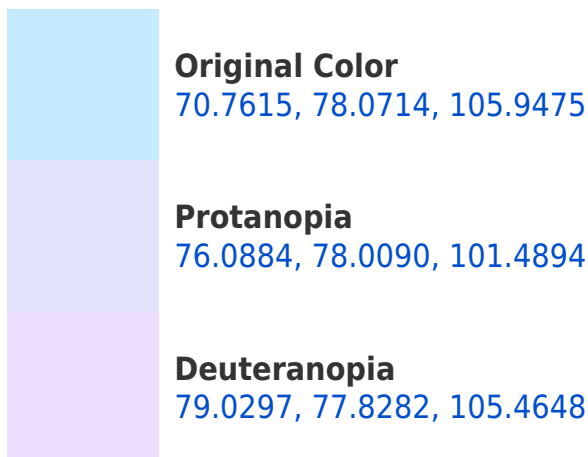


This preview shows how white text looks on a background with the XYZ color 70.7615, 78.0714,

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

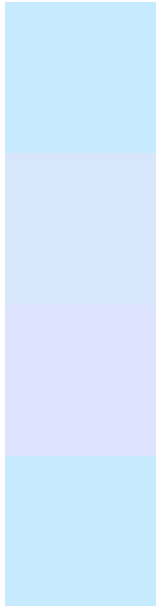




Tritanopia

70.4411, 77.9433, 104.2604

Trichromacy



Original Color

70.7615, 78.0714, 105.9475

Protanomaly

74.1864, 78.2208, 103.2835

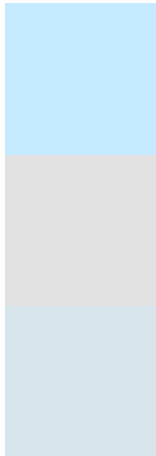
Deuteranomaly

75.6433, 77.6878, 105.6162

Tritanomaly

70.6009, 78.0072, 105.1018

Monochromacy



Original Color

70.7615, 78.0714, 105.9475

Achromatopsia

72.2879, 76.0525, 82.8211

Achromatomaly

71.6243, 76.7520, 91.1604

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.7615, 78.0714, 105.9475 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(198, 234, 255)` looks like.

```
.text, #text, p{  
    color:rgb(198, 234, 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(198, 234, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 234, 255) }
```

Border

The CSS property to change the border of an element to XYZ 70.7615, 78.0714, 105.9475 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(198, 234, 255) }
```


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

```
.border{ border-color:rgb(198, 234, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 234, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 234, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 234, 255);  
box-shadow:4px 4px 4px 4px rgb(198, 234,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 70.7615, 78.0714, 105.9475 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 234, 255) }
```

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

```
.background{ background-color: rgb(198,  
234, 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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