

Converting Colors

XYZ(70.3505, 78.0270,
105.9606)

Have a look what the booklet for
XYZ(70.3505, 78.0270, 105.9606)
contains.

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Color

**XYZ(70.2378, 77.8014,
105.9230)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | C4EAFF |
| RGB | 196, 234, 255 |
| RGB Percent | 77%, 92%, 100% |
| CMY | 0.2314, 0.0823, 0.0000 |
| CMYK | 0.23, 0.08, 0.00, 0.00 |
| HSL | 201°, 100%, 88% |
| HSV | 201°, 23%, 100% |
| XYZ | 70.2378, 77.8014, 105.9230 |
| YIQ | 225.0320, -29.3890, -1.5250 |

Conversions

Conversions Part 2

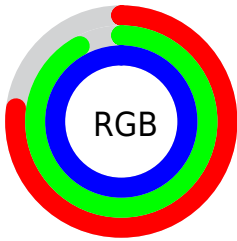
| Format | Color |
|-------------------------------------|--------------------------------|
| R_{YB} | 196, 219, 255 |
| Decimal | 12905215 |
| CIE _{Lab} | 90.69, -7.82, -14.22 |
| CIE _{LCh} | 91, 16.233, 241.190 |
| Yxy | 77.8014, 0.2766, 0.3064 |
| Android (android.graphics.Color) | 4291095295 (0xFFC4EAFF) |
| YUV | 225.0320, 14.7742, -25.4611 |
| Hunter-Lab | 88.2051, -12.2192, -9.4561 |

Details

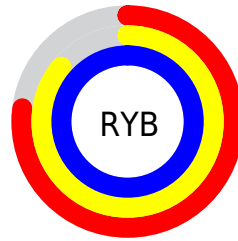
The XYZ color **70.2378, 77.8014, 105.9230** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **76.0166, 74.8706, 62.6714**, and the grayscale version is **71.5051, 75.2290, 81.9243**.

A 20% lighter version of the original color is **94.3180, 99.6226, 108.8657**, and **37.0979, 41.5807, 59.4967** is the 20% darker color. If you saturate the color by 10%, you get **61.6428, 69.6348, 104.7997**, and if you desaturate by 10%, it is **80.0966, 86.8200, 107.1441**.

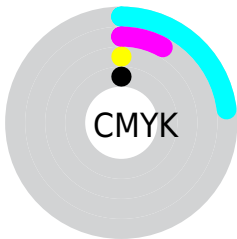
Distribution



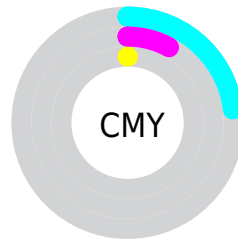
- Red (77%)
- Green (92%)
- Blue (100%)



- Red (77%)
- Yellow (86%)
- Blue (100%)



- Cyan (23%)
- Magenta (8%)
- Yellow (0%)
- Black (0%)



- Cyan (23%)
- Magenta (8%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 70.2378, 77.8014, 105.9230 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 70.2378, 77.8014, 105.9230 by changing the saturation by 10% instead.

70.2378, 77.8014,
105.9230

70.2378, 77.8014,
105.9230

450.6379,
487.4921, 600.4281

52.0007, 57.9108,
80.6119

118.5722,
130.2701, 171.3958

37.2299, 41.7370,
59.6929

149.4003,
163.6171, 212.3946

25.5600, 28.8954,
42.7474

185.1561,
202.2183, 259.4596

16.6258, 19.0017,
29.3571

226.2049,
246.4582, 313.0095

10.0617, 11.6715,
19.1032

272.9121,
296.7211, 373.4627

5.5024, 6.5204,
11.5673

325.6432,

2.5827, 3.1640,

353.3915, 441.2379

6.3308

384.7633,
416.8537, 516.7535

■ 0.9372, 1.2180,
2.9753

■ 0.0000, 0.0763,
1.0820

■ 70.2378, 77.8014,
105.9230

■ 70.2378, 77.8014,
105.9230

■ 61.6428, 69.6348,
104.7997

■ 80.0966, 86.8200,
107.1441

■ 54.2464, 62.2776,
103.7694

■ 91.2677, 96.7124,
108.4648

■ 47.9866, 55.6969,
102.8292

■ 95.0500, 100.0000,
108.9000

■ 42.7933, 49.8536,
101.9750

■ 38.5874, 44.7037,
101.2026

■ 35.2782, 40.1973,
100.5072

■ 32.7554, 36.2741,
99.8830

■ 31.3707, 33.8614,
99.4902

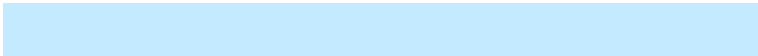
Harmonies

Analogous

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



67.4489, 77.8014, 96.8662



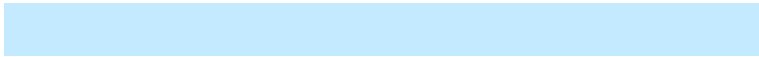
70.2378, 77.8014, 105.9230



74.1106, 77.8014, 109.1721

Triad

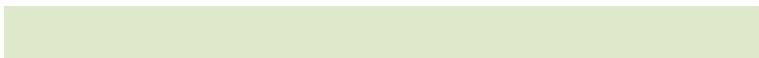
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



70.2378, 77.8014, 105.9230



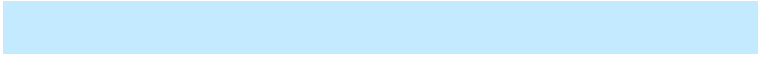
82.0569, 77.8014, 84.2477



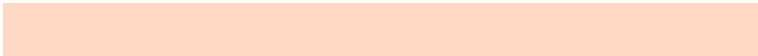
69.9660, 77.8014, 66.9384

Complementary

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



70.2378, 77.8014, 105.9230



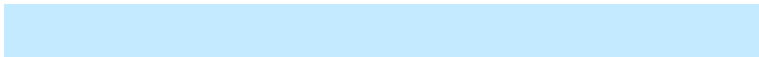
76.0166, 74.8706, 62.6714

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.



73.7854, 77.8014, 64.2097



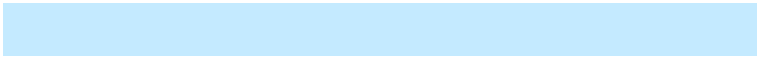
70.2378, 77.8014, 105.9230



80.8515, 77.8014, 73.6205

Square

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



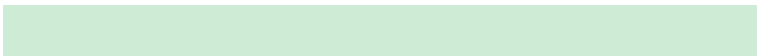
70.2378, 77.8014, 105.9230



81.0241, 77.8014, 95.9869



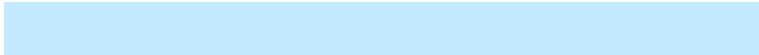
77.7864, 77.8014, 66.5412



67.2961, 77.8014, 74.3574

Rectangle

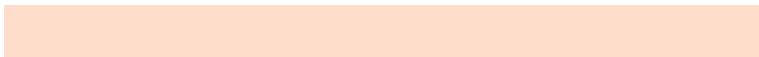
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



70.2378, 77.8014, 105.9230



76.8148, 77.8014, 107.3919



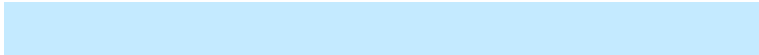
77.7864, 77.8014, 66.5412



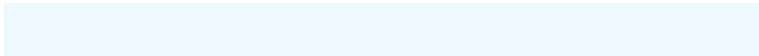
71.1532, 77.8014, 65.4745

Sweetspot

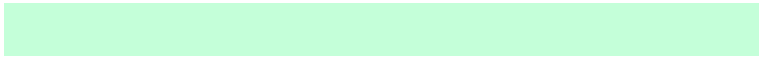
The Sweet Spot groups the original color and five complimentary colors.



70.2399, 77.8045, 105.9235



86.7920, 92.7841, 107.9424



71.0049, 88.2478, 78.6998



18.4313, 19.7309, 23.0870



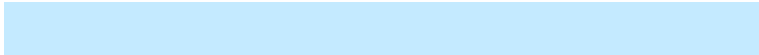
0.0000, 0.0000, 0.0000



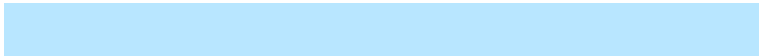
20.3446, 21.4041, 23.3091

Same Dimension

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



70.2399, 77.8045, 105.9235



65.9045, 73.7271, 105.3650



62.6118, 62.5483, 103.3808



17.9792, 19.3299, 23.0334



16.5380, 17.9856, 52.0345



1.7134, 1.9576, 5.1008

Inverse Universe

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



75.8326, 66.6820, 86.7195



72.5230, 61.0652, 82.5263



84.2057, 91.2488, 65.4011



18.5021, 18.1842, 21.2614



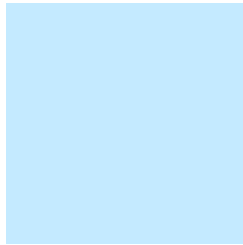
25.1358, 12.5436, 19.8975



2.4995, 1.2422, 2.2116

Previews

White Background



This preview shows how the XYZ color 70.2378, 77.8014, 105.9230 looks on a white background.

Color Contrast Check

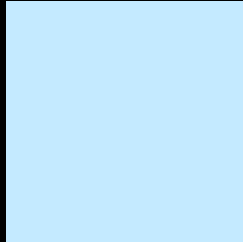
Large Text (above 18pt) WCAG AA × Fail

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 70.2378, 77.8014, 105.9230 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

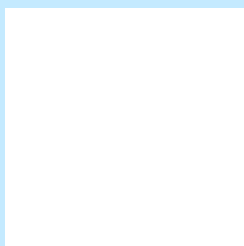
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 70.2378, 77.8014, 105.9230

Background



This preview shows how black text looks on a background with the XYZ color 70.2378, 77.8014, 105.9230.

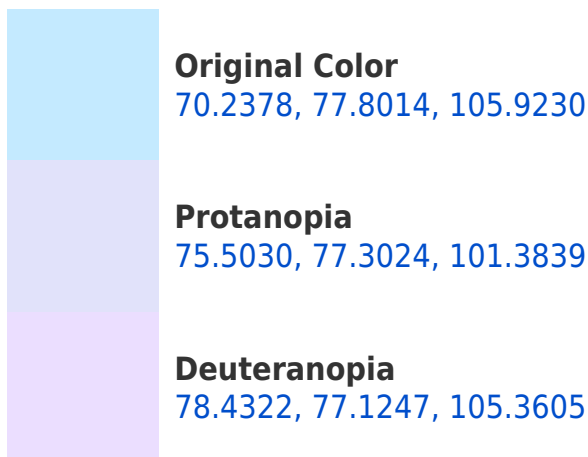


This preview shows how white text looks on a background with the XYZ color 70.2378, 77.8014,

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

69.9174, 77.6732, 104.2359

Trichromacy



Original Color

70.2378, 77.8014, 105.9230

Protanomaly

73.3216, 77.3630, 103.1636

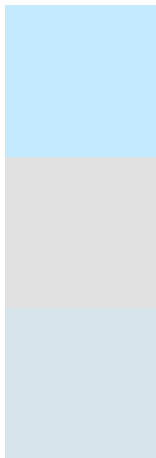
Deuteranomaly

75.0651, 76.9849, 105.5109

Tritanomaly

70.0772, 77.7372, 105.0772

Monochromacy



Original Color

70.2378, 77.8014, 105.9230

Achromatopsia

71.5672, 75.2942, 81.9954

Achromatomaly

70.6153, 75.8391, 90.2735

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.2378, 77.8014, 105.9230 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(196, 234, 255)` looks like.

```
.text, #text, p{  
    color:rgb(196, 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(196, 234, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 234, 255) }
```

Border

The CSS property to change the border of an element to XYZ 70.2378, 77.8014, 105.9230 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(196, 234, 255) }
```


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

```
.border{ border-color:rgb(196, 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(196, 234, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 234, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 234, 255);  
box-shadow:4px 4px 4px 4px rgb(196, 234,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 70.2378, 77.8014, 105.9230 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 234, 255) }
```

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

```
.background{ background-color: rgb(196,  
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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