

Converting Colors

XYZ(80.4876, 82.3251,
158.0645)

Have a look what the booklet for
XYZ(80.4876, 82.3251, 158.0645)
contains.

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Color

**XYZ(70.5233, 78.3724,
106.0182)**

Conversions

Conversions Part 1

Format	Color
Hex	C4EBFF
RGB	196, 235, 255
RGB Percent	77%, 92%, 100%
CMY	0.2314, 0.0784, 0.0000
CMYK	0.23, 0.08, 0.00, 0.00
HSL	200°, 100%, 88%
HSV	200°, 23%, 100%
XYZ	70.5233, 78.3724, 106.0182
YIQ	225.6190, -29.6640, -2.0480

Conversions

Conversions Part 2

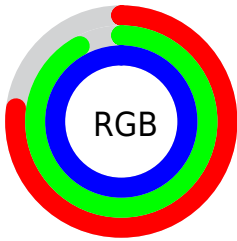
Format	Color
R _Y B	196, 219, 255
Decimal	12905471
CIE Lab	90.95, -8.33, -13.83
CIE LCh	91, 16.151, 238.936
Yxy	78.3724, 0.2767, 0.3074
Android (android.graphics.Color)	4291095551 (0xFFC4EBFF)
YUV	225.6190, 14.4848, -25.9759
Hunter-Lab	88.5282, -12.7277, -9.0339

Details

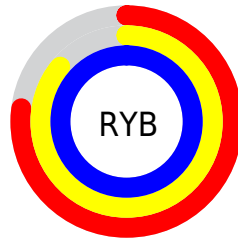
The XYZ color **70.5233, 78.3724, 106.0182** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **75.7596, 74.3566, 62.5857**, and the grayscale version is **71.9296, 75.6755, 82.4107**.

A 20% lighter version of the original color is **94.3180, 99.6226, 108.8657**, and **37.2976, 41.9801, 59.5633** is the 20% darker color. If you saturate the color by 10%, you get **62.0315, 70.4121, 104.9292**, and if you desaturate by 10%, it is **80.2668, 87.1605, 107.2009**.

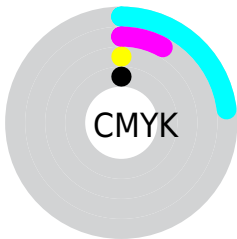
Distribution



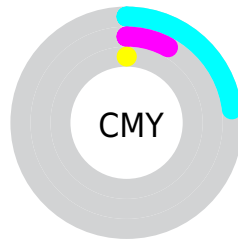
- Red (77%)
- Green (92%)
- Blue (100%)



- 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 70.5233, 78.3724, 106.0182 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 70.5233, 78.3724, 106.0182 by changing the saturation by 10% instead.

70.5233, 78.3724,
106.0182

70.5233, 78.3724,
106.0182

451.6231,
489.4306, 600.7307

52.2344, 58.3799,
80.6912

118.9769,
131.0750, 171.5270

37.4170, 42.1142,
59.7578

149.8724,
164.5538, 212.5459

25.7057, 29.1907,
42.7994

185.7007,
203.2970, 259.6326

16.7351, 19.2251,
29.3975

226.8272,
247.6888, 313.2055

10.1399, 11.8331,
19.1336

273.6174,
298.1137, 373.6833

5.5548, 6.6301,
11.5891

326.4365,

2.6144, 3.2319,

354.9560, 441.4843

6.3454

385.6500,
418.6002, 517.0273

■ 0.9533, 1.2540,
2.9841

■ 0.0000, 0.1051,
1.0865

■ 70.5233, 78.3724,
106.0182

■ 70.5233, 78.3724,
106.0182

■ 62.0315, 70.4121,
104.9292

■ 80.2668, 87.1605,
107.2009

■ 54.7263, 63.2375,
103.9294

■ 91.3103, 96.7976,
108.4790

■ 48.5464, 56.8164,
103.0157

95.0500, 100.0000,
108.9000

■ 43.4215, 51.1100,
102.1844

■ 39.2731, 46.0751,
101.4312

■ 36.0107, 41.6623,
100.7514

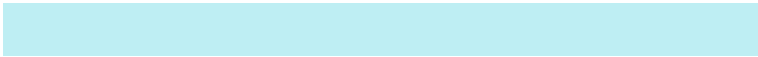
■ 33.5244, 37.8122,
100.1393

■ 32.1590, 35.4380,
99.7530

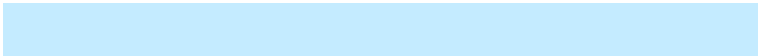
Harmonies

Analogous

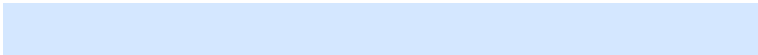
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



67.8466, 78.3724, 96.6491



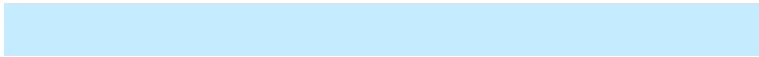
70.5233, 78.3724, 106.0182



74.3453, 78.3724, 109.7735

Triad

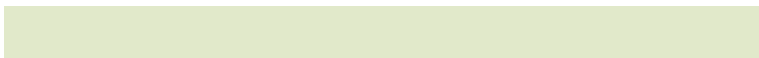
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



70.5233, 78.3724, 106.0182



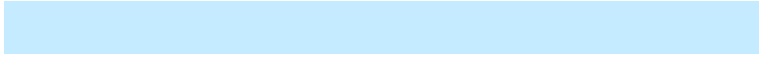
82.5960, 78.3724, 85.7513



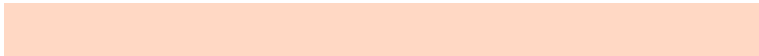
70.7664, 78.3724, 67.1766

Complementary

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



70.5233, 78.3724, 106.0182



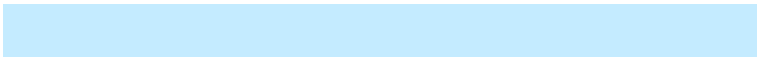
75.7596, 74.3566, 62.5857

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.



74.6361, 78.3724, 64.8215



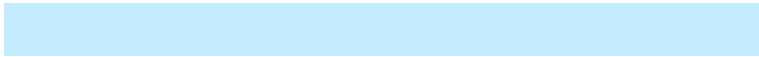
70.5233, 78.3724, 106.0182



81.5548, 78.3724, 74.9388

Square

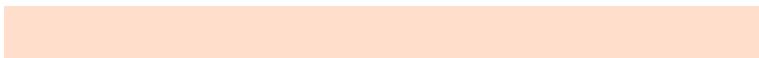
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



70.5233, 78.3724, 106.0182



81.4004, 78.3724, 97.4350



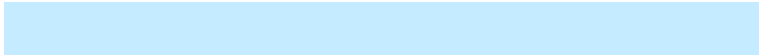
78.6040, 78.3724, 67.5323



67.9834, 78.3724, 74.2793

Rectangle

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



70.5233, 78.3724, 106.0182



77.0603, 78.3724, 108.3490



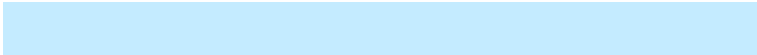
78.6040, 78.3724, 67.5323



71.9787, 78.3724, 65.8337

Sweetspot

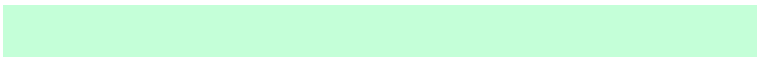
The Sweet Spot groups the original color and five complimentary colors.



70.5254, 78.3755, 106.0186



86.8855, 92.9710, 107.9736



70.8776, 88.1969, 78.0295



18.4530, 19.7742, 23.0942



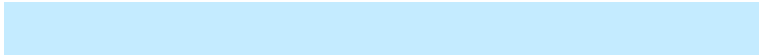
0.0000, 0.0000, 0.0000



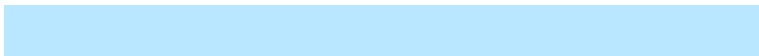
20.3446, 21.4041, 23.3091

Same Dimension

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



70.5254, 78.3755, 106.0186



66.2417, 74.4015, 105.4774



62.8476, 63.0198, 103.4594



18.0060, 19.3836, 23.0423



16.9476, 18.8048, 52.1710



1.7514, 2.0335, 5.1135

Inverse Universe

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



75.9767, 66.7397, 87.4784



72.6932, 61.1333, 83.4225



83.9072, 90.6517, 65.3015



18.5157, 18.1896, 21.3327



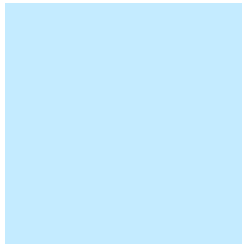
25.3426, 12.6263, 20.9862



2.5186, 1.2498, 2.3125

Previews

White Background



This preview shows how the XYZ color 70.5233, 78.3724, 106.0182 looks on a white background.

Color Contrast Check

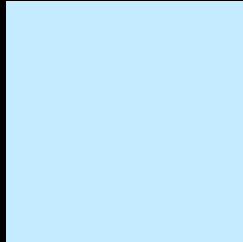
Large Text (above 18pt) WCAG AA × Fail

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 70.5233, 78.3724, 106.0182 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

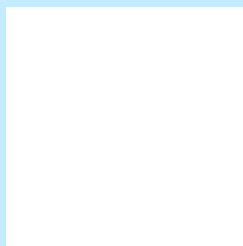
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 70.5233, 78.3724, 106.0182

Background



This preview shows how black text looks on a background with the XYZ color 70.5233, 78.3724, 106.0182.

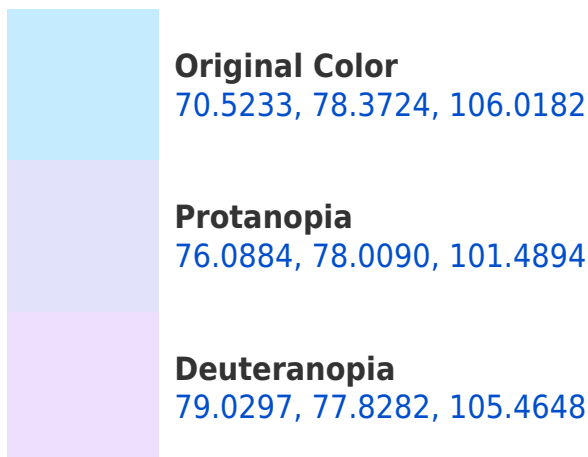


This preview shows how white text looks on a background with the XYZ color 70.5233, 78.3724,

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

70.3627, 78.3082, 105.1724

Trichromacy



Original Color

70.5233, 78.3724, 106.0182

Protanomaly

73.8918, 78.0690, 103.2698

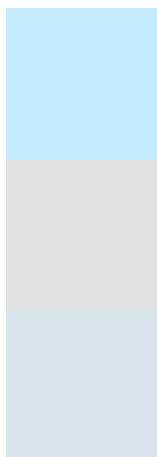
Deuteranomaly

75.3379, 77.5303, 105.6019

Tritanomaly

70.3627, 78.3082, 105.1724

Monochromacy



Original Color

70.5233, 78.3724, 106.0182

Achromatopsia

72.2879, 76.0525, 82.8211

Achromatomaly

71.3297, 76.6001, 91.1466

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.5233, 78.3724, 106.0182 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, 235, 255)` looks like.

```
.text, #text, p{  
    color:rgb(196, 235, 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, 235, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 235, 255) }
```

Border

The CSS property to change the border of an element to XYZ 70.5233, 78.3724, 106.0182 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, 235, 255) }
```


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

```
.border{ border-color:rgb(196, 235, 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, 235, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 235, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 235, 255);  
box-shadow:4px 4px 4px 4px rgb(196, 235,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 70.5233, 78.3724, 106.0182 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 235, 255) }
```

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

```
.background{ background-color: rgb(196,  
235, 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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