

# Converting Colors

XYZ(80.7156, 82.2999,  
157.1917)

Have a look what the booklet for  
XYZ(80.7156, 82.2999, 157.1917)  
contains.

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# Color

**XYZ(71.0470, 78.6424,  
106.0427)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C6EBFF
RGB	198, 235, 255
RGB Percent	78%, 92%, 100%
CMY	0.2235, 0.0784, 0.0000
CMYK	0.22, 0.08, 0.00, 0.00
HSL	201°, 100%, 89%
HSV	201°, 22%, 100%
XYZ	71.0470, 78.6424, 106.0427
YIQ	226.2170, -28.4720, -1.6240

# Conversions

## Conversions Part 2

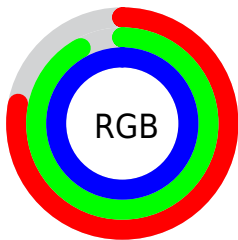
Format	Color
R <sub>Y</sub> B	198, 220, 255
Decimal	13036543
CIE Lab	91.07, -7.74, -13.64
CIE LCh	91, 15.684, 240.409
Yxy	78.6424, 0.2778, 0.3075
Android (android.graphics.Color)	4291226623 (0xFFC6EBFF)
YUV	226.2170, 14.1900, -24.7463
Hunter-Lab	88.6806, -12.1845, -8.8216

# Details

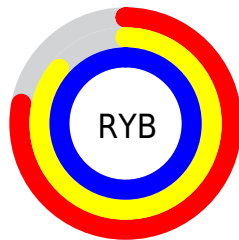
The XYZ color **71.0470, 78.6424, 106.0427** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **76.5043, 75.4792, 63.9645**, and the grayscale version is **72.3628, 76.1313, 82.9069**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **37.6408, 42.1571, 59.5793** is the 20% darker color. If you saturate the color by 10%, you get **62.3862, 70.4725, 104.9222**, and if you desaturate by 10%, it is **80.9723, 87.6595, 107.2600**.

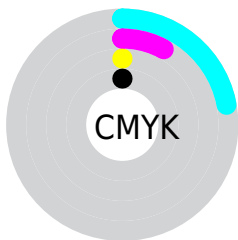
# Distribution



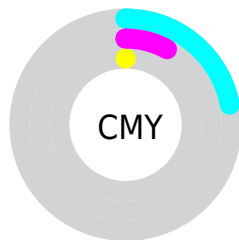
- Red (78%)
- Green (92%)
- Blue (100%)



- 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 71.0470, 78.6424, 106.0427 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 71.0470, 78.6424, 106.0427 by changing the saturation by 10% instead.



■ 71.0470, 78.6424,  
106.0427

■ 71.0470, 78.6424,  
106.0427

453.4270,  
490.3458, 600.8086

■ 52.6632, 58.6018,  
80.7116

119.7188,  
131.4553, 171.5608

■ 37.7604, 42.2927,  
59.7745

150.7375,  
164.9965, 212.5849

■ 25.9731, 29.3305,  
42.8128

186.6986,  
203.8066, 259.6771

■ 16.9361, 19.3310,  
29.4080

227.9674,  
248.2701, 313.2560

■ 10.2840, 11.9097,  
19.1414

274.9093,  
298.7714, 373.7400

■ 5.6514, 6.6822,  
11.5947

327.8896,

■ 2.6729, 3.2642,

355.6948, 441.5478

6.3491

387.2738,  
419.4248, 517.0978

■ 0.9832, 1.2712,  
2.9863

■ 0.0000, 0.1187,  
1.0877

■ 71.0470, 78.6424,  
106.0427

■ 71.0470, 78.6424,  
106.0427

■ 62.3862, 70.4725,  
104.9222

■ 80.9723, 87.6595,  
107.2600

■ 54.9252, 63.1074,  
103.8938

■ 92.2104, 97.5452,  
108.5758

■ 48.6026, 56.5149,  
102.9546

■ 95.0500, 100.0000,  
108.9000

■ 43.3487, 50.6560,  
102.1006

■ 39.0855, 45.4875,  
101.3277

■ 35.7235, 40.9603,  
100.6310

■ 33.1543, 37.0153,  
100.0050

■ 31.6033, 34.3266,  
99.5678

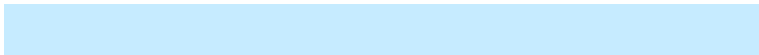
# Harmonies

## Analogous

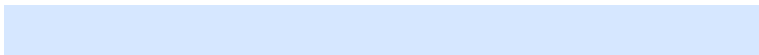
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



68.3658, 78.6424, 97.1569



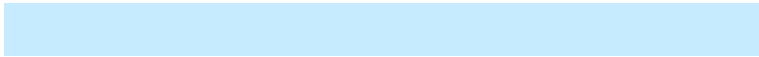
71.0470, 78.6424, 106.0427



74.8016, 78.6424, 109.3587

# Triad

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



71.0470, 78.6424, 106.0427



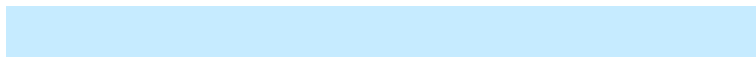
82.6294, 78.6424, 85.4725



70.9560, 78.6424, 68.1515

# Complementary

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



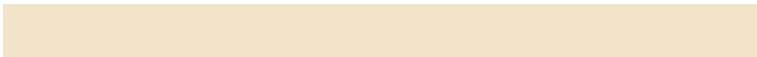
71.0470, 78.6424, 106.0427



76.5043, 75.4792, 63.9645

# 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.



74.6929, 78.6424, 65.6059



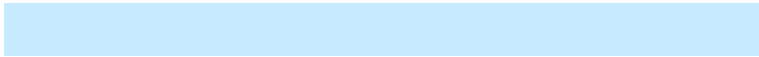
71.0470, 78.6424, 106.0427



81.5139, 78.6424, 75.0496

# Square

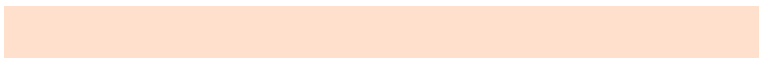
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



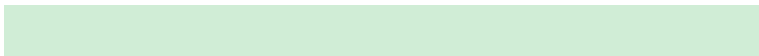
71.0470, 78.6424, 106.0427



81.5715, 78.6424, 96.8637



78.5738, 78.6424, 68.0178

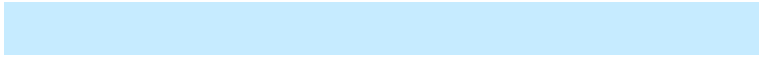


68.3146, 78.6424, 75.2970



# Rectangle

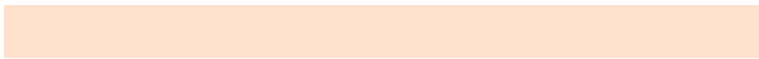
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



71.0470, 78.6424, 106.0427



77.4363, 78.6424, 107.7546



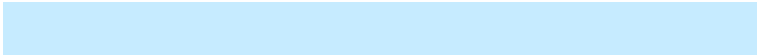
78.5738, 78.6424, 68.0178



72.1212, 78.6424, 66.7592

# Sweetspot

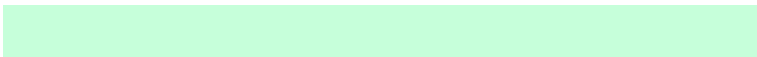
The Sweet Spot groups the original color and five complimentary colors.



71.0491, 78.6455, 106.0432



86.8199, 92.8399, 107.9517



71.6980, 88.5856, 79.6164



18.4378, 19.7438, 23.0891



0.0000, 0.0000, 0.0000

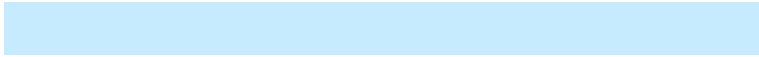


20.3446, 21.4041, 23.3091

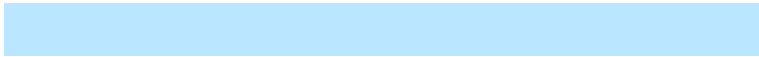


# Same Dimension

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



71.0491, 78.6455, 106.0432



66.8692, 74.7439, 105.5104



63.5440, 63.6352, 103.5414



17.9872, 19.3459, 23.0361



16.6589, 18.2274, 52.0748



1.7247, 1.9800, 5.1046



# Inverse Universe

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



76.4308, 67.6479, 87.6298



73.2327, 62.2019, 83.6342



84.5263, 91.5232, 66.6385



18.5062, 18.1858, 21.2826



25.1968, 12.5680, 20.2188

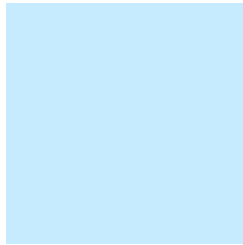


2.5051, 1.2444, 2.2415



# Previews

## White Background



This preview shows how the XYZ color 71.0470, 78.6424, 106.0427 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

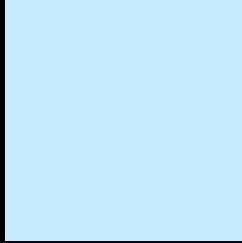
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 71.0470, 78.6424, 106.0427 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

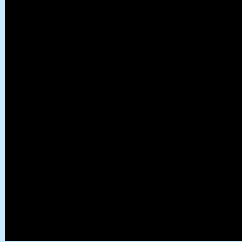
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

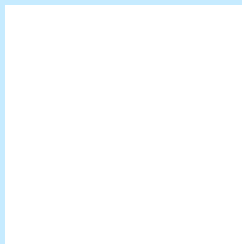
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 71.0470, 78.6424, 106.0427

## Background



This preview shows how black text looks on a background with the XYZ color 71.0470, 78.6424, 106.0427.



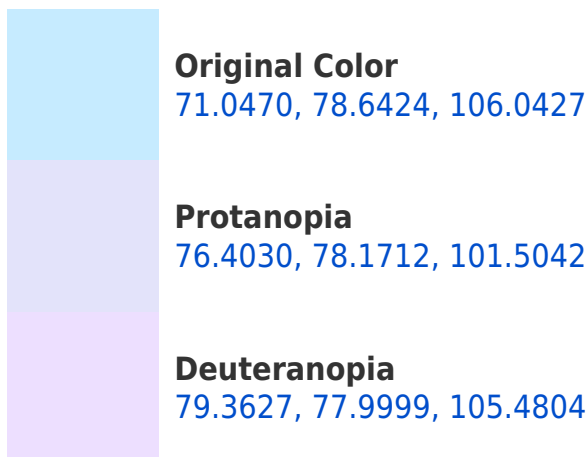
This preview shows how white text looks on a background with the XYZ color 71.0470, 78.6424,



# 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

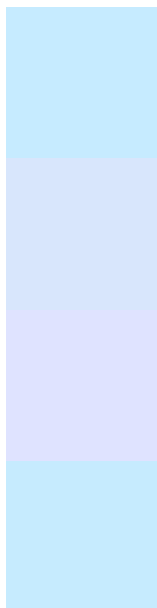




## Tritanopia

70.8864, 78.5782, 105.1969

# Trichromacy



## Original Color

71.0470, 78.6424, 106.0427

## Protanomaly

74.1864, 78.2208, 103.2835

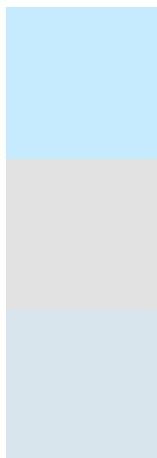
## Deuteranomaly

75.9505, 77.8461, 105.6305

## Tritanomaly

70.8864, 78.5782, 105.1969

# Monochromacy



## Original Color

71.0470, 78.6424, 106.0427

## 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 71.0470, 78.6424, 106.0427 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, 235, 255)` looks like.

```
.text, #text, p{  
    color:rgb(198, 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(198, 235, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 235, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 71.0470, 78.6424, 106.0427 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, 235, 255) }
```



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

```
.border{ border-color:rgb(198, 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(198, 235, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 235, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 235, 255);  
box-shadow:4px 4px 4px 4px rgb(198, 235,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 71.0470, 78.6424, 106.0427 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 235, 255) }
```

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

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