

Converting Colors

XYZ(70.2227, 78.3425,
106.0131)

Have a look what the booklet for
XYZ(70.2227, 78.3425, 106.0131)
contains.

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Color

**XYZ(70.2640, 78.2388,
106.0060)**

Conversions

Conversions Part 1

Format	Color
Hex	C3EBFF
RGB	195, 235, 255
RGB Percent	76%, 92%, 100%
CMY	0.2353, 0.0784, 0.0000
CMYK	0.24, 0.08, 0.00, 0.00
HSL	200°, 100%, 88%
HSV	200°, 24%, 100%
XYZ	70.2640, 78.2388, 106.0060
YIQ	225.3200, -30.2600, -2.2600

Conversions

Conversions Part 2

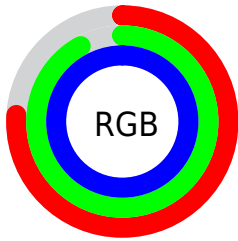
Format	Color
R _Y B	195, 219, 255
Decimal	12839935
CIE Lab	90.89, -8.63, -13.93
CIE LCh	91, 16.387, 238.233
Yxy	78.2388, 0.2761, 0.3074
Android (android.graphics.Color)	4291030015 (0xFFC3EBFF)
YUV	225.3200, 14.6322, -26.5906
Hunter-Lab	88.4527, -12.9975, -9.1391

Details

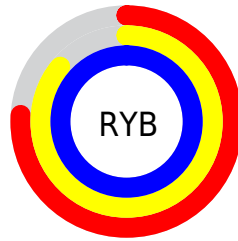
The XYZ color **70.2640, 78.2388, 106.0060** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **75.3906, 73.8002, 61.9028**, and the grayscale version is **71.7136, 75.4483, 82.1632**.

A 20% lighter version of the original color is **93.9549, 99.4354, 108.8487**, and **37.1284, 41.8929, 59.5553** is the 20% darker color. If you saturate the color by 10%, you get **61.8545, 70.3793, 104.9322**, and if you desaturate by 10%, it is **79.9190, 86.9170, 107.1722**.

Distribution



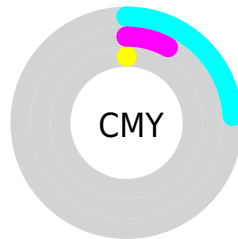
- Red (76%)
- Green (92%)
- Blue (100%)



- Red (76%)
- Yellow (86%)
- Blue (100%)



- Cyan (24%)
- Magenta (8%)
- Yellow (0%)
- Black (0%)



- Cyan (24%)
- Magenta (8%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 70.2640, 78.2388, 106.0060 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 70.2640, 78.2388, 106.0060 by changing the saturation by 10% instead.

70.2640, 78.2388,
106.0060

70.2640, 78.2388,
106.0060

450.7284,
488.9774, 600.6920

52.0222, 58.2702,
80.6811

118.6094,
130.8867, 171.5102

37.2471, 42.0259,
59.7495

149.4436,
164.3348, 212.5265

25.5734, 29.1216,
42.7928

185.2061,
203.0447, 259.6104

16.6358, 19.1728,
29.3924

226.2620,
247.4011, 313.1804

10.0688, 11.7952,
19.1297

272.9769,
297.7881, 373.6550

5.5072, 6.6044,
11.5863

325.7160,

2.5856, 3.2159,

354.5902, 441.4528

6.3435

384.8447,
418.1919, 516.9922

■ 0.9386, 1.2455,
2.9829

■ 0.0000, 0.0984,
1.0859

■ 70.2640, 78.2388,
106.0060

■ 70.2640, 78.2388,
106.0060

■ 61.8545, 70.3793,
104.9322

■ 79.9190, 86.9170,
107.1722

■ 54.6256, 63.2965,
103.9461

■ 90.8679, 96.4351,
108.4323

■ 48.5154, 56.9583,
103.0448

95.0500, 100.0000,
108.9000

■ 43.4538, 51.3258,
102.2244

■ 39.3618, 46.3560,
101.4808

■ 36.1485, 41.9993,
100.8092

■ 33.7030, 38.1959,
100.2039

■ 32.4278, 35.9755,
99.8426

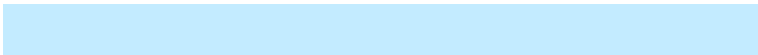
Harmonies

Analogous

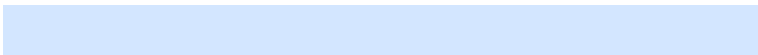
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



67.5897, 78.2388, 96.3970



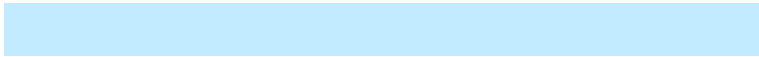
70.2640, 78.2388, 106.0060



74.1192, 78.2388, 109.9806

Triad

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



70.2640, 78.2388, 106.0060



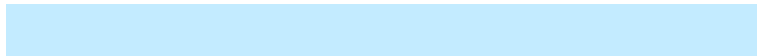
82.5798, 78.2388, 85.8915



70.6729, 78.2388, 66.6954

Complementary

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



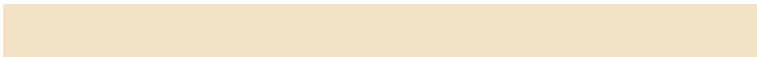
70.2640, 78.2388, 106.0060



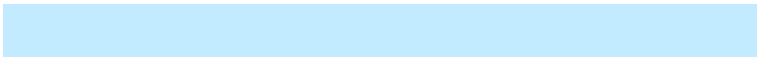
75.3906, 73.8002, 61.9028

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.



74.6086, 78.2388, 64.4342



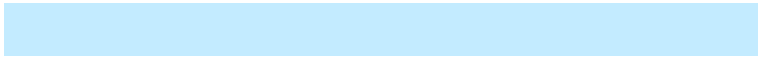
70.2640, 78.2388, 106.0060



81.5757, 78.2388, 74.8849

Square

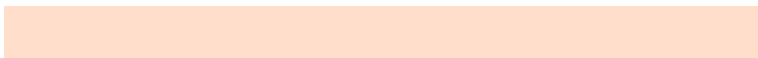
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



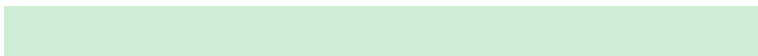
70.2640, 78.2388, 106.0060



81.3156, 78.2388, 97.7212



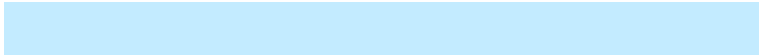
78.6197, 78.2388, 67.2925



67.8196, 78.2388, 73.7764

Rectangle

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



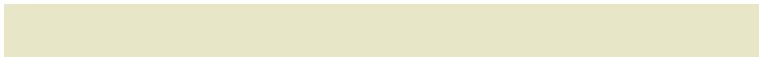
70.2640, 78.2388, 106.0060



76.8739, 78.2388, 108.6461



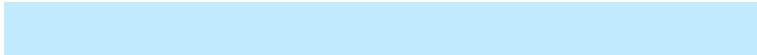
78.6197, 78.2388, 67.2925



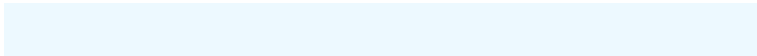
71.9086, 78.2388, 65.3769

Sweetspot

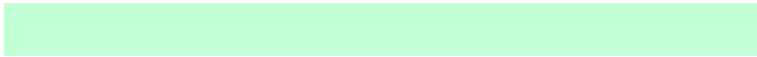
The Sweet Spot groups the original color and five complimentary colors.



70.2661, 78.2419, 106.0065



86.9166, 93.0333, 107.9840



70.4043, 87.9776, 76.8903



18.4602, 19.7886, 23.0966



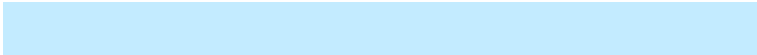
0.0000, 0.0000, 0.0000



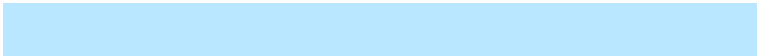
20.3446, 21.4041, 23.3091

Same Dimension

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



70.2661, 78.2419, 106.0065



66.3547, 74.6274, 105.5150



62.6283, 62.9662, 103.4606



18.0150, 19.4015, 23.0453



17.0872, 19.0840, 52.2176



1.7643, 2.0592, 5.1178

Inverse Universe

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



75.7518, 66.2899, 87.4036



72.7502, 61.1561, 83.7228



83.4415, 89.9019, 64.5864



18.5202, 18.1914, 21.3565



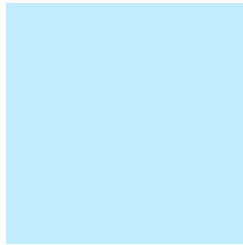
25.4130, 12.6545, 21.3573



2.5251, 1.2524, 2.3467

Previews

White Background



This preview shows how the XYZ color 70.2640, 78.2388, 106.0060 looks on a white background.

Color Contrast Check

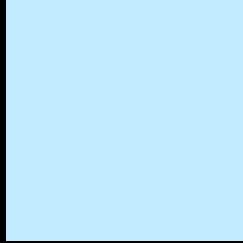
Large Text (above 18pt) WCAG AA × Fail

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 70.2640, 78.2388, 106.0060 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

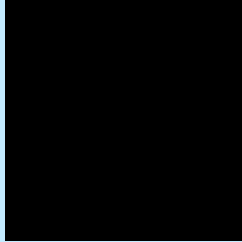
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 70.2640, 78.2388, 106.0060

Background



This preview shows how black text looks on a background with the XYZ color 70.2640, 78.2388, 106.0060.

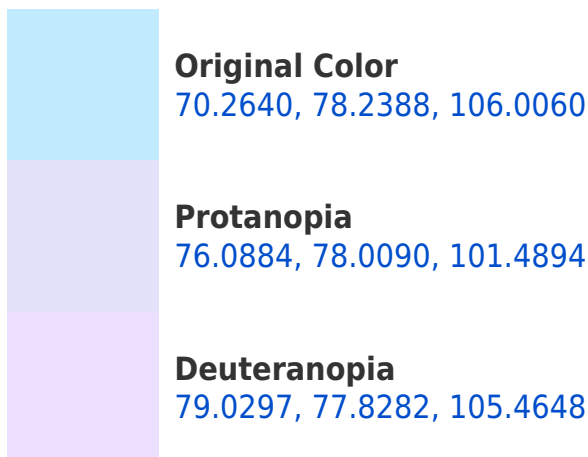


This preview shows how white text looks on a background with the XYZ color 70.2640, 78.2388,

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

70.1034, 78.1745, 105.1603

Trichromacy



Original Color

70.2640, 78.2388, 106.0060

Protanomaly

73.8918, 78.0690, 103.2698

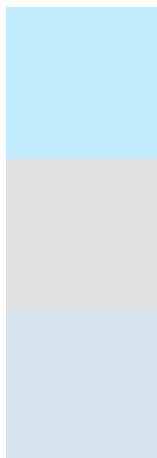
Deuteranomaly

75.3379, 77.5303, 105.6019

Tritanomaly

70.1034, 78.1745, 105.1603

Monochromacy



Original Color

70.2640, 78.2388, 106.0060

Achromatopsia

71.5672, 75.2942, 81.9954

Achromatomaly

70.8912, 76.3909, 90.3654

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.2640, 78.2388, 106.0060 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(195, 235, 255)` looks like.

```
.text, #text, p{  
    color:rgb(195, 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(195, 235, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 235, 255) }
```

Border

The CSS property to change the border of an element to XYZ 70.2640, 78.2388, 106.0060 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(195, 235, 255) }
```


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

```
.border{ border-color:rgb(195, 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(195, 235, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 235, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 235, 255);  
box-shadow:4px 4px 4px 4px rgb(195, 235,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 70.2640, 78.2388, 106.0060 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 235, 255) }
```

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

```
.background{ background-color: rgb(195,  
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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