

Converting Colors

XYZ(89.7705, 87.0375,
220.2452)

Have a look what the booklet for
XYZ(89.7705, 87.0375, 220.2452)
contains.

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Color

**XYZ(68.1530, 78.4364,
106.1554)**

Conversions

Conversions Part 1

Format	Color
Hex	B7EEFF
RGB	183, 238, 255
RGB Percent	72%, 93%, 100%
CMY	0.2823, 0.0666, 0.0000
CMYK	0.28, 0.07, 0.00, 0.00
HSL	194°, 100%, 86%
HSV	194°, 28%, 100%
XYZ	68.1530, 78.4364, 106.1554
YIQ	223.4930, -38.2370, -6.3730

Conversions

Conversions Part 2

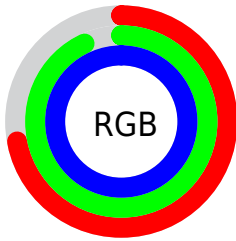
Format	Color
R _Y B	183, 214, 255
Decimal	12054271
CIE Lab	90.98, -13.59, -13.87
CIE LCh	91, 19.417, 225.587
Yxy	78.4364, 0.2697, 0.3103
Android (android.graphics.Color)	4290244351 (0xFFB7EEFF)
YUV	223.4930, 15.5330, -35.5124
Hunter-Lab	88.5643, -17.6263, -9.0714

Details

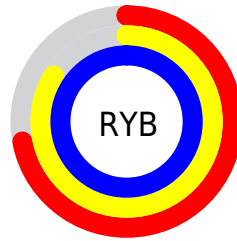
The XYZ color **68.1530, 78.4364, 106.1554** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **70.4416, 65.9870, 53.8257**, and the grayscale version is **70.4041, 74.0706, 80.6629**.

A 20% lighter version of the original color is **89.7452, 97.2653, 108.6517**, and **35.8231, 42.1223, 59.6684** is the 20% darker color. If you saturate the color by 10%, you get **60.9055, 72.1437, 105.3228**, and if you desaturate by 10%, it is **76.5621, 85.4188, 107.0600**.

Distribution



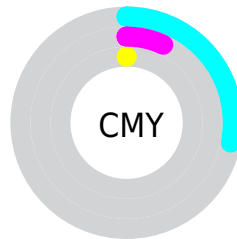
- Red (72%)
- Green (93%)
- Blue (100%)



- Red (72%)
- Yellow (84%)
- Blue (100%)



- Cyan (28%)
- Magenta (7%)
- Yellow (0%)
- Black (0%)



- Cyan (28%)
- Magenta (7%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.1530, 78.4364, 106.1554 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 68.1530, 78.4364, 106.1554 by changing the saturation by 10% instead.

68.1530, 78.4364,
106.1554

68.1530, 78.4364,
106.1554

443.4061,
489.6476, 601.1667

50.2963, 58.4325,
80.8056

115.6117,
131.1651, 171.7161

35.8677, 42.1565,
59.8514

145.9445,
164.6588, 212.7641

24.5017, 29.2238,
42.8744

181.1666,
203.4178, 259.8818

15.8329, 19.2502,
29.4559

221.6436,
247.8266, 313.4880

9.4961, 11.8512,
19.1774

267.7406,
298.2696, 374.0010

5.1258, 6.6424,
11.6204

319.8232,

2.3568, 3.2395,

355.1312, 441.8394

6.3664

378.2566,
418.7957, 517.4218

■ 0.8235, 1.2580,
2.9968

■ 0.0000, 0.1083,
1.0930

■ 68.1530, 78.4364,
106.1554

■ 68.1530, 78.4364,
106.1554

■ 60.9055, 72.1437,
105.3228

■ 76.5621, 85.4188,
107.0600

■ 54.7533, 66.4998,
104.5577

■ 86.1819, 93.1113,
108.0377

■ 49.6329, 61.4732,
103.8573

95.0500, 100.0000,
108.9000

■ 45.4716, 57.0255,
103.2182

■ 42.1865, 53.1130,
102.6361

■ 39.6797, 49.6844,
102.1065

■ 37.8166, 46.6695,
101.6227

■ 37.5215, 46.1629,
101.5405

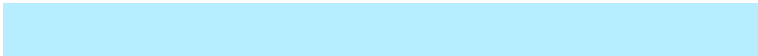
Harmonies

Analogous

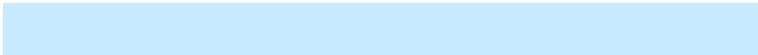
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



65.8430, 78.4364, 92.8583



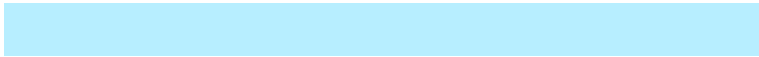
68.1530, 78.4364, 106.1554



72.2318, 78.4364, 114.2808

Triad

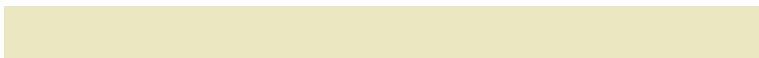
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



68.1530, 78.4364, 106.1554



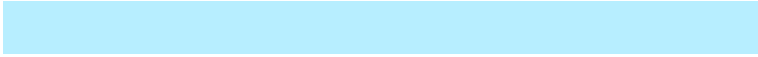
84.0499, 78.4364, 92.2948



72.0494, 78.4364, 61.9694

Complementary

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



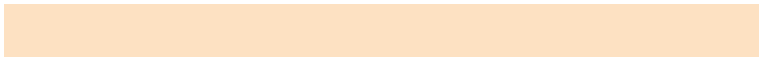
68.1530, 78.4364, 106.1554



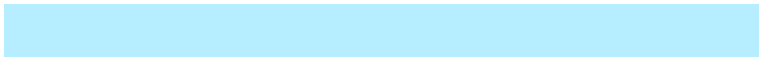
70.4416, 65.9870, 53.8257

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.



76.9202, 78.4364, 61.8539



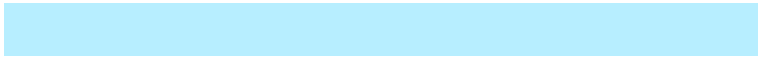
68.1530, 78.4364, 106.1554



83.9958, 78.4364, 78.3595

Square

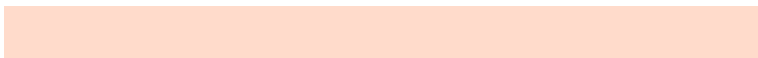
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



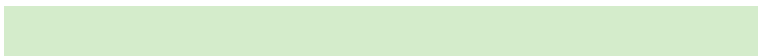
68.1530, 78.4364, 106.1554



81.4831, 78.4364, 105.7041



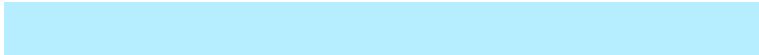
81.3383, 78.4364, 67.5500



68.0245, 78.4364, 67.8849

Rectangle

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



68.1530, 78.4364, 106.1554



75.4721, 78.4364, 115.1582



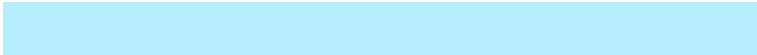
81.3383, 78.4364, 67.5500



73.6383, 78.4364, 61.2745

Sweetspot

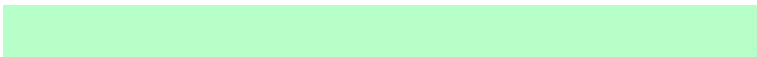
The Sweet Spot groups the original color and five complimentary colors.



68.1551, 78.4394, 106.1559



86.4220, 93.3000, 108.0615



65.6915, 85.7486, 67.6115



18.1701, 19.7118, 23.0970



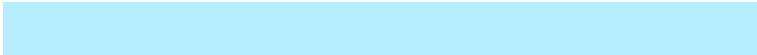
0.0000, 0.0000, 0.0000



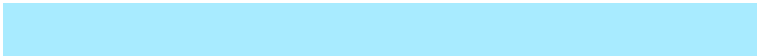
20.3446, 21.4041, 23.3091

Same Dimension

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



68.1551, 78.4394, 106.1559



63.8374, 74.7278, 105.6671



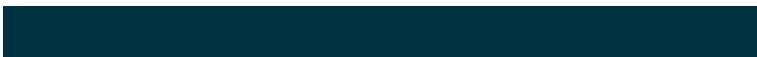
58.7473, 59.6238, 103.0200



18.1701, 19.7118, 23.0970



19.7264, 24.3624, 53.0973



2.0042, 2.5390, 5.1977

Inverse Universe

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



73.6075, 61.3017, 88.8453



70.2262, 55.3474, 85.2263



79.7258, 84.5554, 56.9204



18.5985, 18.2227, 21.7688



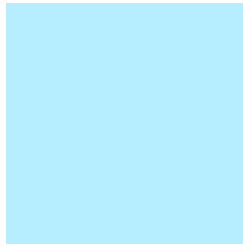
26.7452, 13.1874, 28.3723



2.6462, 1.3009, 2.9844

Previews

White Background



This preview shows how the XYZ color 68.1530, 78.4364, 106.1554 looks on a white background.

Color Contrast Check

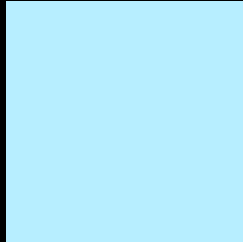
Large Text (above 18pt) WCAG AA × Fail

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 68.1530, 78.4364, 106.1554 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 68.1530, 78.4364, 106.1554

Background



This preview shows how black text looks on a background with the XYZ color 68.1530, 78.4364, 106.1554.

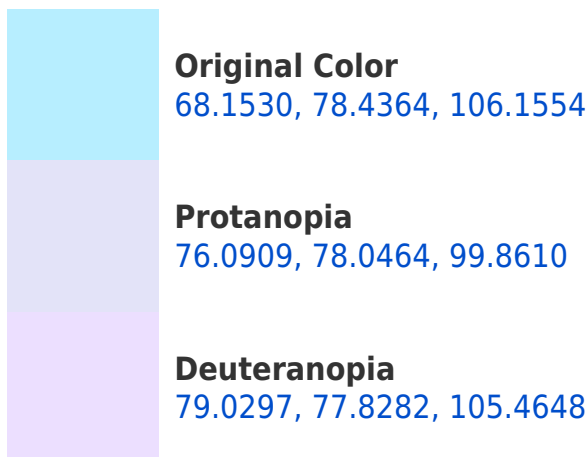


This preview shows how white text looks on a background with the XYZ color 68.1530, 78.4364,

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

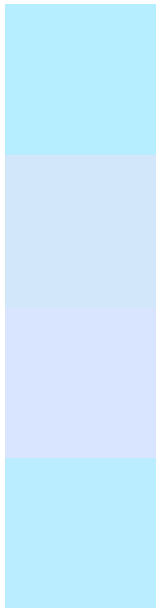




Tritanopia

68.8277, 78.3532, 106.1038

Trichromacy



Original Color

68.1530, 78.4364, 106.1554

Protanomaly

72.8525, 77.9657, 102.4759

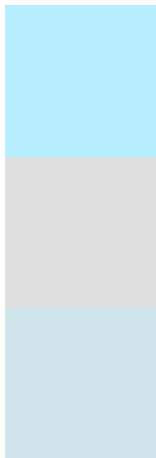
Deuteranomaly

74.4087, 77.4585, 105.6370

Tritanomaly

68.5839, 78.2275, 106.0924

Monochromacy



Original Color

68.1530, 78.4364, 106.1554

Achromatopsia

70.1384, 73.7910, 80.3584

Achromatomaly

68.7512, 74.8949, 89.4298

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.1530, 78.4364, 106.1554 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(183, 238, 255)` looks like.

```
.text, #text, p{  
    color:rgb(183, 238, 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(183, 238, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 238, 255) }
```

Border

The CSS property to change the border of an element to XYZ 68.1530, 78.4364, 106.1554 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(183, 238, 255) }
```


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

```
.border{ border-color:rgb(183, 238, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 238, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 238, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 238, 255);  
box-shadow:4px 4px 4px 4px rgb(183, 238,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 68.1530, 78.4364, 106.1554 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 238, 255) }
```

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

```
.background{ background-color: rgb(183,  
238, 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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