

# Converting Colors

XYZ(85.3355, 86.6468,  
189.2540)

Have a look what the booklet for  
XYZ(85.3355, 86.6468, 189.2540)  
contains.

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# **Color**

**XYZ(69.7550, 80.5697,  
106.4828)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BAF1FF
RGB	186, 241, 255
RGB Percent	73%, 95%, 100%
CMY	0.2706, 0.0549, 0.0000
CMYK	0.27, 0.05, 0.00, 0.00
HSL	192°, 100%, 86%
HSV	192°, 27%, 100%
XYZ	69.7550, 80.5697, 106.4828
YIQ	226.1510, -37.2740, -7.3060

# Conversions

## Conversions Part 2

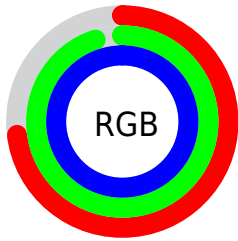
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	186, 217, 255
Decimal	12251647
CIE <sub>Lab</sub>	91.94, -14.25, -12.42
CIE <sub>LCh</sub>	92, 18.902, 221.062
Y <sub>xy</sub>	80.5697, 0.2716, 0.3137
Android (android.graphics.Color)	4290441727 (0xFFBAF1FF)
YUV	226.1510, 14.2226, -35.2124
Hunter-Lab	89.7606, -18.3647, -7.5031

# Details

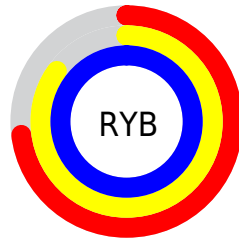
The XYZ color **69.7550, 80.5697, 106.4828** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **70.7572, 66.1132, 55.4880**, and the grayscale version is **72.3194, 76.0857, 82.8573**.

A 20% lighter version of the original color is **90.7721, 97.7947, 108.6998**, and **36.9021, 43.6004, 59.8969** is the 20% darker color. If you saturate the color by 10%, you get **62.5952, 74.6399, 105.7156**, and if you desaturate by 10%, it is **78.0680, 87.1626, 107.3172**.

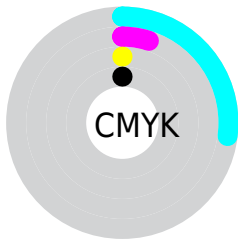
# Distribution



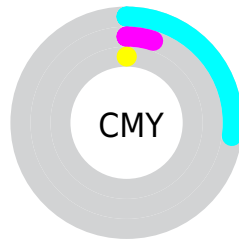
- Red (73%)
- Green (95%)
- Blue (100%)



- Red (73%)
- Yellow (85%)
- Blue (100%)



- Cyan (27%)
- Magenta (5%)
- Yellow (0%)
- Black (0%)



- Cyan (27%)
- Magenta (5%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 69.7550, 80.5697, 106.4828 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 69.7550, 80.5697, 106.4828 by changing the saturation by 10% instead.



69.7550, 80.5697,  
106.4828

69.7550, 80.5697,  
106.4828

448.9691,  
496.8507, 602.2064

51.6057, 60.1873,  
81.0786

117.8875,  
134.1664, 172.1672

36.9139, 43.5696,  
60.0749

148.6014,  
168.1495, 213.2844

25.3142, 30.3323,  
43.0533

184.2342,  
207.4349, 260.4764

16.4413, 20.0909,  
29.5953

225.1512,  
252.4070, 314.1617

9.9298, 12.4612,  
19.2821

271.7179,  
303.4502, 374.7588

5.4143, 7.0586,  
11.6955

324.2995,

2.5296, 3.4988,

360.9490, 442.6862

6.4166

383.2615,  
425.2877, 518.3626

■ 0.9102, 1.3973,  
3.0272

■ 0.0000, 0.2148,  
1.1085

■ 69.7550, 80.5697,  
106.4828

■ 69.7550, 80.5697,  
106.4828

■ 62.5952, 74.6399,  
105.7156

■ 78.0680, 87.1626,  
107.3172

■ 56.5230, 69.3327,  
105.0112

■ 87.5826, 94.4380,  
108.2200

■ 51.4759, 64.6175,  
104.3671

95.0500, 100.0000,  
108.9000

■ 47.3824, 60.4568,  
103.7798

■ 44.1610, 56.8081,  
103.2453

■ 41.7165, 53.6217,  
102.7591

■ 39.9268, 50.8342,  
102.3154

■ 39.4711, 50.0621,  
102.1904

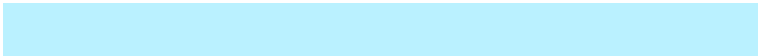
# Harmonies

## Analogous

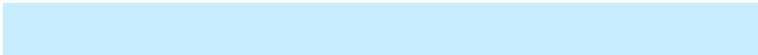
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



67.7794, 80.5697, 92.9561



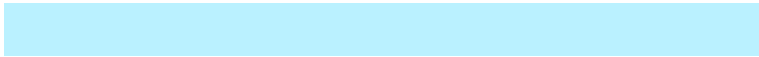
69.7550, 80.5697, 106.4828



73.5897, 80.5697, 115.5170

# Triad

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



69.7550, 80.5697, 106.4828



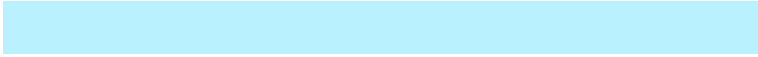
85.7510, 80.5697, 96.6910



74.8022, 80.5697, 64.0210

# Complementary

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



69.7550, 80.5697, 106.4828



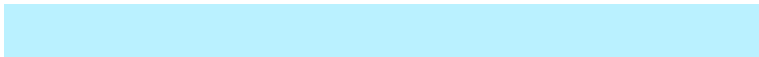
70.7572, 66.1132, 55.4880

# 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.



79.6483, 80.5697, 64.7943



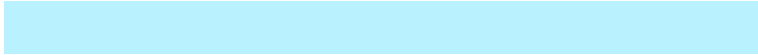
69.7550, 80.5697, 106.4828



86.1093, 80.5697, 82.6972

# Square

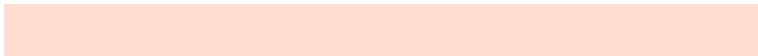
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



69.7550, 80.5697, 106.4828



82.8751, 80.5697, 109.4643



83.8343, 80.5697, 71.3135

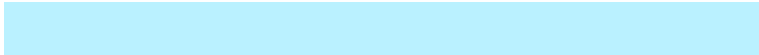


70.6103, 80.5697, 69.0760

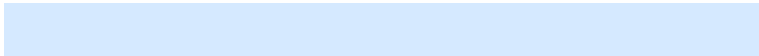


# Rectangle

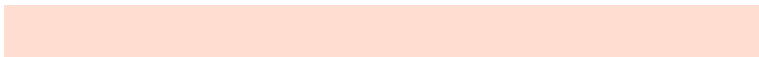
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



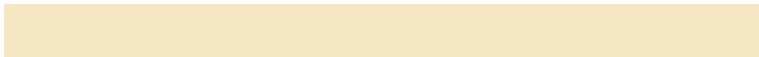
69.7550, 80.5697, 106.4828



76.7522, 80.5697, 117.2585



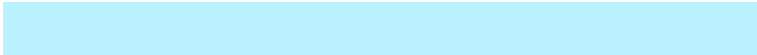
83.8343, 80.5697, 71.3135



76.4062, 80.5697, 63.6230

# Sweetspot

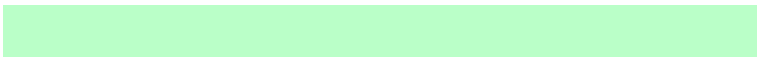
The Sweet Spot groups the original color and five complimentary colors.



69.7571, 80.5728, 106.4833



86.6331, 93.7224, 108.1319



66.4127, 86.1204, 67.6453



18.2235, 19.8187, 23.1149



0.0000, 0.0000, 0.0000

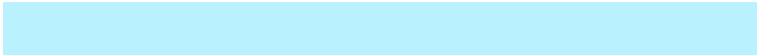


20.3446, 21.4041, 23.3091

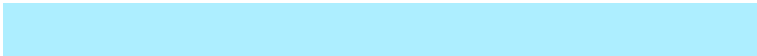


# Same Dimension

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



69.7571, 80.5728, 106.4833



66.0774, 77.5603, 106.0957



60.5412, 62.1410, 103.4113



18.2235, 19.8187, 23.1149



20.7340, 26.3776, 53.4332



2.0942, 2.7192, 5.2277



# Inverse Universe

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



74.6775, 62.7303, 91.3949



71.7590, 57.5002, 88.5511



79.6118, 83.8225, 58.4395



18.6255, 18.2335, 21.9109



27.2538, 13.3908, 31.0505

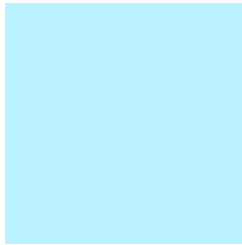


2.6917, 1.3190, 3.2238



# Previews

## White Background



This preview shows how the XYZ color 69.7550, 80.5697, 106.4828 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

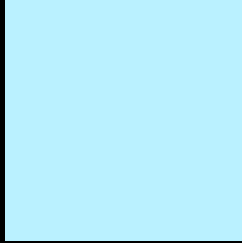
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 69.7550, 80.5697, 106.4828 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 69.7550, 80.5697, 106.4828

## Background



This preview shows how black text looks on a background with the XYZ color 69.7550, 80.5697, 106.4828.



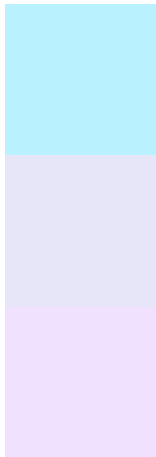
This preview shows how white text looks on a background with the XYZ color 69.7550, 80.5697,



# 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



### Original Color

69.7550, 80.5697, 106.4828

### Protanopia

77.8732, 80.1939, 100.1816

### Deuteranopia

81.1815, 80.1380, 105.7972



## Tritanopia

71.4222, 80.5551, 106.3921

# Trichromacy



## Original Color

69.7550, 80.5697, 106.4828

## Protanomaly

74.5670, 80.1068, 102.7988

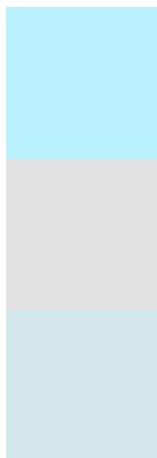
## Deuteranomaly

76.1411, 79.5875, 105.9566

## Tritanomaly

70.9483, 80.7466, 106.4540

# Monochromacy



## Original Color

69.7550, 80.5697, 106.4828

## Achromatopsia

72.2879, 76.0525, 82.8211

## Achromatomaly

70.7259, 77.1151, 91.2778

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 69.7550, 80.5697, 106.4828 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(186, 241, 255)` looks like.

```
.text, #text, p{  
    color:rgb(186, 241, 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(186, 241, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 241, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 69.7550, 80.5697, 106.4828 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(186, 241, 255) }
```



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

```
.border{ border-color:rgb(186, 241, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 241, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 241, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 241, 255);  
box-shadow:4px 4px 4px 4px rgb(186, 241,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 69.7550, 80.5697, 106.4828 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 241, 255) }
```

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

```
.background{ background-color: rgb(186,  
241, 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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