

Converting Colors

XYZ(78.7380, 84.0443,
152.9830)

Have a look what the booklet for
XYZ(78.7380, 84.0443, 152.9830)
contains.

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Color

**XYZ(69.9988, 80.6954,
106.4942)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | BBF1FF |
| RGB | 187, 241, 255 |
| RGB Percent | 73%, 95%, 100% |
| CMY | 0.2667, 0.0549, 0.0000 |
| CMYK | 0.27, 0.05, 0.00, 0.00 |
| HSL | 192°, 100%, 87% |
| HSV | 192°, 27%, 100% |
| XYZ | 69.9988, 80.6954, 106.4942 |
| YIQ | 226.4500, -36.6780, -7.0940 |

Conversions

Conversions Part 2

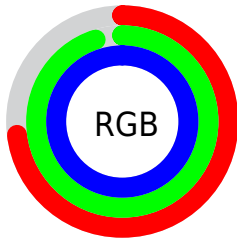
| Format | Color |
|-------------------------------------|--------------------------------|
| RYB | 187, 217, 255 |
| Decimal | 12317183 |
| CIELab | 92.00, -13.97, -12.33 |
| CIELCh | 92, 18.630, 221.426 |
| Yxy | 80.6954, 0.2722, 0.3138 |
| Android (android.graphics.Color) | 4290507263 (0xFFBBF1FF) |
| YUV | 226.4500, 14.0752, -34.5976 |
| Hunter-Lab | 89.8306, -18.1109, -7.4069 |

Details

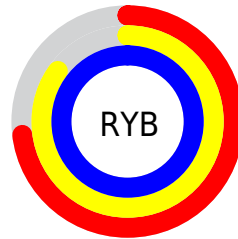
The XYZ color **69.9988, 80.6954, 106.4942** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **71.0962, 66.6205, 56.1273**, and the grayscale version is **72.5365, 76.3141, 83.1060**.

A 20% lighter version of the original color is **91.1182, 97.9731, 108.7160**, and **37.0577, 43.6807, 59.9041** is the 20% darker color. If you saturate the color by 10%, you get **62.7748, 74.7000, 105.7177**, and if you desaturate by 10%, it is **78.3795, 87.3576, 107.3384**.

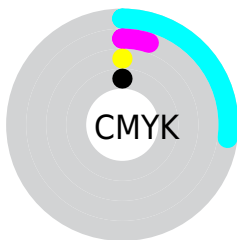
Distribution



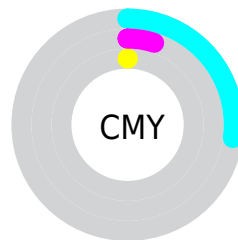
- Red (73%)
- Green (95%)
- Blue (100%)



- 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 69.9988, 80.6954, 106.4942 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 69.9988, 80.6954, 106.4942 by changing the saturation by 10% instead.

69.9988, 80.6954,
106.4942

69.9988, 80.6954,
106.4942

449.8123,
497.2733, 602.2426

51.8051, 60.2908,
81.0881

118.2333,
134.3430, 172.1829

37.0734, 43.6530,
60.0827

149.0049,
168.3547, 213.3025

25.4383, 30.3978,
43.0596

184.6998,
207.6710, 260.4971

16.5344, 20.1408,
29.6001

225.6835,
252.6761, 314.1851

9.9963, 12.4974,
19.2858

272.3212,
303.7545, 374.7851

5.4588, 7.0834,
11.6981

324.9783,

2.5564, 3.5143,

361.2905, 442.7157

6.4184

384.0202,
425.6687, 518.3954

■ 0.9238, 1.4058,
3.0283

■ 0.0000, 0.2210,
1.1091

■ 69.9988, 80.6954,
106.4942

■ 69.9988, 80.6954,
106.4942

■ 62.7748, 74.7000,
105.7177

■ 78.3795, 87.3576,
107.3384

■ 56.6422, 69.3311,
105.0046

■ 87.9650, 94.7059,
108.2516

■ 51.5385, 64.5580,
104.3523

95.0500, 100.0000,
108.9000

■ 47.3926, 60.3435,
103.7573

■ 44.1235, 56.6451,
103.2158

■ 41.6365, 53.4136,
102.7231

■ 39.8124, 50.5868,
102.2736

■ 39.2916, 49.7032,
102.1305

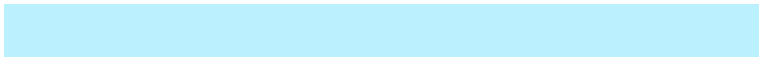
Harmonies

Analogous

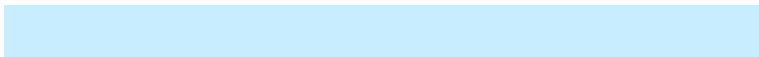
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



68.0217, 80.6954, 93.1924



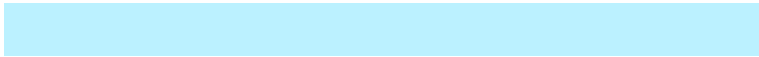
69.9988, 80.6954, 106.4942



73.8025, 80.6954, 115.3092

Triad

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



69.9988, 80.6954, 106.4942



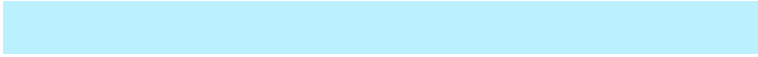
85.7631, 80.6954, 96.5349



74.8887, 80.6954, 64.4652

Complementary

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



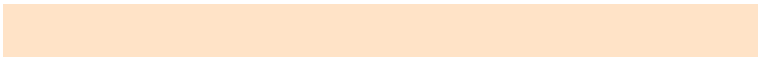
69.9988, 80.6954, 106.4942



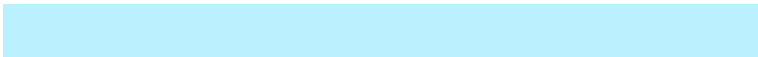
71.0962, 66.6205, 56.1273

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.



79.6694, 80.6954, 65.1600



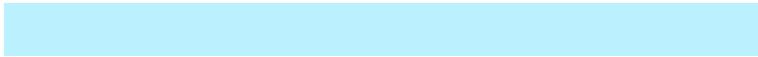
69.9988, 80.6954, 106.4942



86.0836, 80.6954, 82.7419

Square

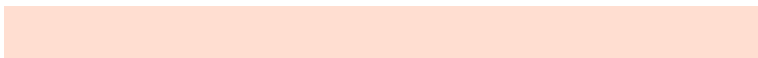
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



69.9988, 80.6954, 106.4942



82.9543, 80.6954, 109.1593



83.8127, 80.6954, 71.5433



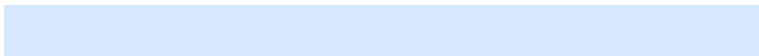
70.7655, 80.6954, 69.5349

Rectangle

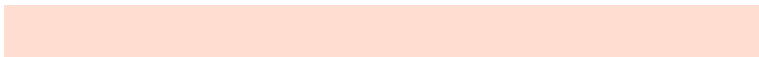
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



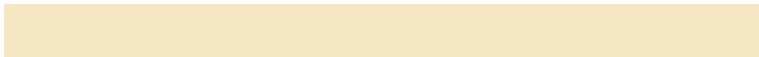
69.9988, 80.6954, 106.4942



76.9279, 80.6954, 116.9538



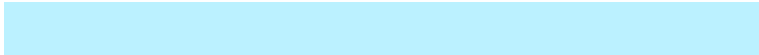
83.8127, 80.6954, 71.5433



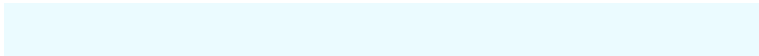
76.4696, 80.6954, 64.0476

Sweetspot

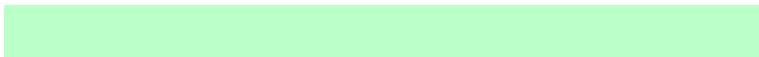
The Sweet Spot groups the original color and five complimentary colors.



70.0010, 80.6985, 106.4947



86.6141, 93.6844, 108.1256



66.7502, 86.2835, 68.1498



18.2187, 19.8091, 23.1133



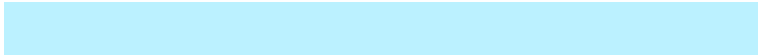
0.0000, 0.0000, 0.0000



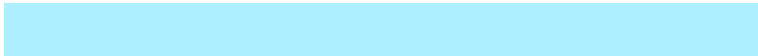
20.3446, 21.4041, 23.3091

Same Dimension

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



70.0010, 80.6985, 106.4947



66.0064, 77.4183, 106.0721



60.9547, 62.6060, 103.4792



18.2187, 19.8091, 23.1133



20.6413, 26.1922, 53.4023



2.0860, 2.7027, 5.2250

Inverse Universe

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



74.8889, 63.1531, 91.4654



71.7231, 57.4859, 88.3625



79.8042, 84.0364, 59.0300



18.6231, 18.2325, 21.8981



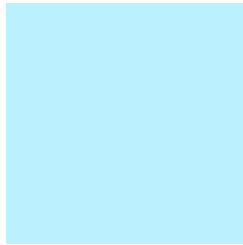
27.2070, 13.3721, 30.8041



2.6875, 1.3174, 3.2019

Previews

White Background



This preview shows how the XYZ color 69.9988, 80.6954, 106.4942 looks on a white background.

Color Contrast Check

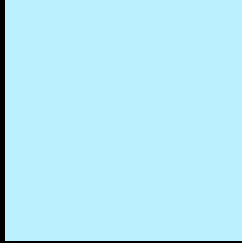
Large Text (above 18pt) WCAG AA × Fail

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 69.9988, 80.6954, 106.4942 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 69.9988, 80.6954, 106.4942

Background



This preview shows how black text looks on a background with the XYZ color 69.9988, 80.6954, 106.4942.

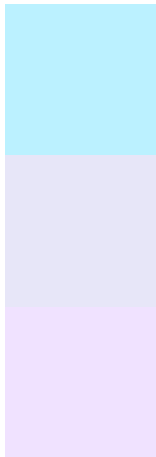


This preview shows how white text looks on a background with the XYZ color 69.9988, 80.6954,

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

69.9988, 80.6954, 106.4942

Protanopia

78.1951, 80.3599, 100.1966

Deuteranopia

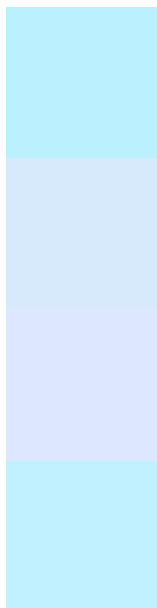
81.1815, 80.1380, 105.7972



Tritanopia

71.6815, 80.6888, 106.4042

Trichromacy



Original Color

69.9988, 80.6954, 106.4942

Protanomaly

74.8597, 80.2577, 102.8126

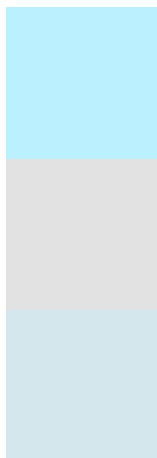
Deuteranomaly

76.4447, 79.7440, 105.9708

Tritanomaly

71.2024, 80.8776, 106.4659

Monochromacy



Original Color

69.9988, 80.6954, 106.4942

Achromatopsia

72.2879, 76.0525, 82.8211

Achromatomaly

71.0134, 77.2633, 91.2913

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.9988, 80.6954, 106.4942 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(187, 241, 255)` looks like.

```
.text, #text, p{  
    color:rgb(187, 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(187, 241, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 241, 255) }
```

Border

The CSS property to change the border of an element to XYZ 69.9988, 80.6954, 106.4942 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(187, 241, 255) }
```


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

```
.border{ border-color:rgb(187, 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(187, 241, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 241, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 241, 255);  
box-shadow:4px 4px 4px 4px rgb(187, 241,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 69.9988, 80.6954, 106.4942 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 241, 255) }
```

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

```
.background{ background-color: rgb(187,  
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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