

Converting Colors

XYZ(68.6756, 80.6230,
106.5500)

Have a look what the booklet for
XYZ(68.6756, 80.6230, 106.5500)
contains.

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Color

**XYZ(68.6245, 80.4276,
106.5149)**

Conversions

Conversions Part 1

Format	Color
Hex	B4F2FF
RGB	180, 242, 255
RGB Percent	71%, 95%, 100%
CMY	0.2941, 0.0510, 0.0000
CMYK	0.29, 0.05, 0.00, 0.00
HSL	190°, 100%, 85%
HSV	190°, 29%, 100%
XYZ	68.6245, 80.4276, 106.5149
YIQ	224.9440, -41.1250, -9.1010

Conversions

Conversions Part 2

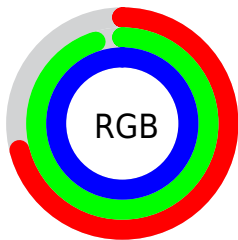
Format	Color
RYB	180, 214, 255
Decimal	11858687
CIELab	91.88, -16.43, -12.55
CIELCh	92, 20.671, 217.368
Yxy	80.4276, 0.2685, 0.3147
Android (android.graphics.Color)	4290048767 (0xFFB4F2FF)
YUV	224.9440, 14.8176, -39.4159
Hunter-Lab	89.6814, -20.3538, -7.6419

Details

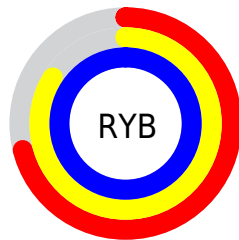
The XYZ color **68.6245, 80.4276, 106.5149** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **68.5482, 62.6947, 51.6701**, and the grayscale version is **71.4477, 75.1686, 81.8586**.

A 20% lighter version of the original color is **88.7351, 96.7445, 108.6045**, and **36.2094, 43.5550, 59.9246** is the 20% darker color. If you saturate the color by 10%, you get **61.9266, 75.0478, 105.8295**, and if you desaturate by 10%, it is **76.4505, 86.4401, 107.2630**.

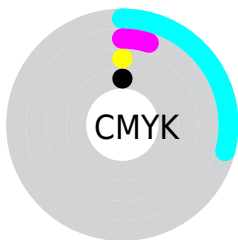
Distribution



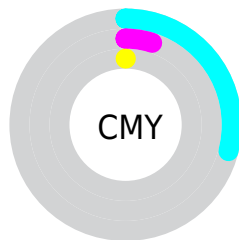
- Red (71%)
- Green (95%)
- Blue (100%)



- Red (71%)
- Yellow (84%)
- Blue (100%)



- Cyan (29%)
- Magenta (5%)
- Yellow (0%)
- Black (0%)



- Cyan (29%)
- Magenta (5%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.6245, 80.4276, 106.5149 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 68.6245, 80.4276, 106.5149 by changing the saturation by 10% instead.

68.6245, 80.4276,
106.5149

68.6245, 80.4276,
106.5149

445.0476,
496.3727, 602.3083

50.6815, 60.0703,
81.1053

116.2821,
133.9667, 172.2114

36.1752, 43.4753,
60.0969

146.7274,
167.9174, 213.3354

24.7403, 30.2582,
43.0709

182.0708,
207.1679, 260.5347

16.0114, 20.0347,
29.6089

222.6778,
252.1027, 314.2277

9.6231, 12.4202,
19.2924

268.9136,
303.1062, 374.8330

5.2101, 7.0306,
11.7028

321.1436,

2.4071, 3.4812,

360.5628, 442.7692

6.4216

379.7331,
424.8568, 518.4548

■ 0.8486, 1.3878,
3.0302

■ 0.0000, 0.2077,
1.1101

■ 68.6245, 80.4276,
106.5149

■ 68.6245, 80.4276,
106.5149

■ 61.9266, 75.0478,
105.8295

■ 76.4505, 86.4401,
107.2630

■ 56.2901, 70.2601,
105.2025

■ 85.4538, 93.1051,
108.0749

■ 51.6513, 66.0331,
104.6311

95.0500, 100.0000,
108.9000

■ 47.9366, 62.3288,
104.1119

■ 45.0622, 59.1035,
103.6408

■ 42.9282, 56.3054,
103.2132

■ 41.3816, 53.8552,
102.8218

■ 41.2981, 53.7161,
102.7994

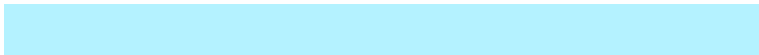
Harmonies

Analogous

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



66.7725, 80.4276, 91.3699



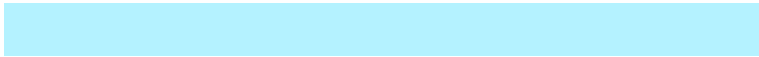
68.6245, 80.4276, 106.5149



72.5876, 80.4276, 117.3798

Triad

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



68.6245, 80.4276, 106.5149



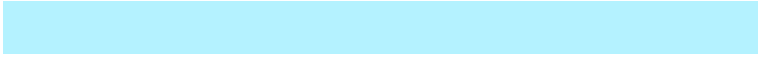
86.2452, 80.4276, 99.2948



75.1441, 80.4276, 61.6900

Complementary

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



68.6245, 80.4276, 106.5149



68.5482, 62.6947, 51.6701

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.



80.4346, 80.4276, 63.2929



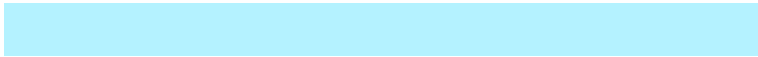
68.6245, 80.4276, 106.5149



87.0070, 80.4276, 83.8808

Square

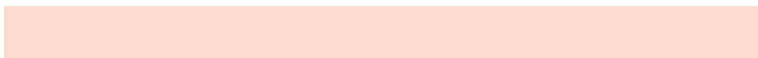
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



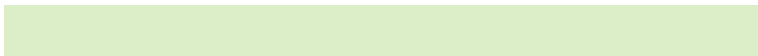
68.6245, 80.4276, 106.5149



82.8000, 80.4276, 112.8866



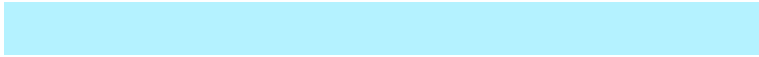
84.8361, 80.4276, 71.0197



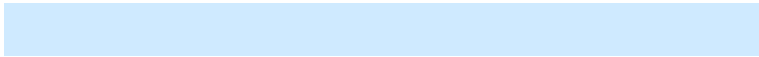
70.4219, 80.4276, 66.3565

Rectangle

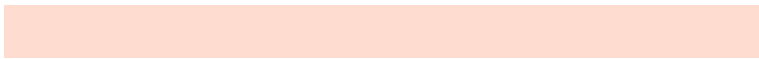
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



68.6245, 80.4276, 106.5149



75.9768, 80.4276, 120.0964



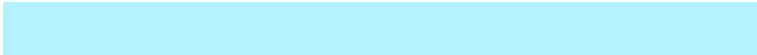
84.8361, 80.4276, 71.0197



76.9132, 80.4276, 61.5237

Sweetspot

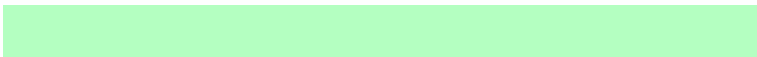
The Sweet Spot groups the original color and five complimentary colors.



68.6267, 80.4307, 106.5154



85.8494, 93.3931, 108.1097



64.1534, 85.0518, 63.1971



18.0772, 19.7726, 23.1137



0.0000, 0.0000, 0.0000



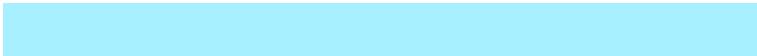
20.3446, 21.4041, 23.3091

Same Dimension

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



68.6267, 80.4307, 106.5154



64.7469, 77.3467, 106.1246



58.7050, 60.5874, 103.2082



18.2713, 19.9142, 23.1308



21.6772, 28.2640, 53.7476



2.1779, 2.8866, 5.2556

Inverse Universe

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



73.5896, 60.3149, 91.7714



70.4900, 54.7053, 88.9202



77.7757, 81.1496, 54.7460



18.6496, 18.2432, 22.0379



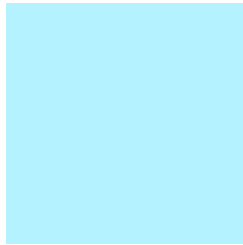
27.7299, 13.5812, 33.5575



2.7339, 1.3359, 3.4463

Previews

White Background



This preview shows how the XYZ color 68.6245, 80.4276, 106.5149 looks on a white background.

Color Contrast Check

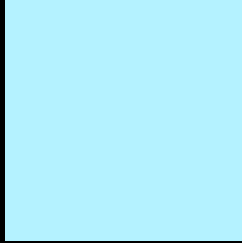
Large Text (above 18pt) WCAG AA × Fail

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 68.6245, 80.4276, 106.5149 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 68.6245, 80.4276, 106.5149

Background



This preview shows how black text looks on a background with the XYZ color 68.6245, 80.4276, 106.5149.

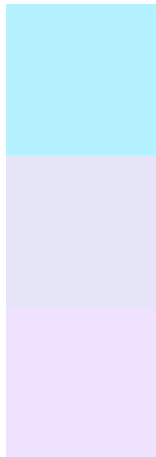


This preview shows how white text looks on a background with the XYZ color 68.6245, 80.4276,

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

68.6245, 80.4276, 106.5149

Protanopia

77.4409, 79.5770, 99.2740

Deuteranopia

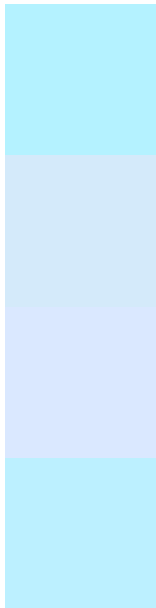
80.8430, 79.9634, 105.7813



Tritanopia

70.6547, 80.1595, 106.3562

Trichromacy



Original Color

68.6245, 80.4276, 106.5149

Protanomaly

73.8295, 79.7448, 101.9435

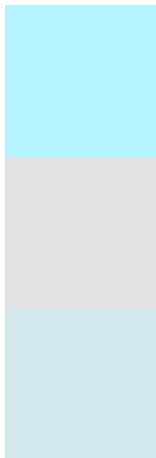
Deuteranomaly

75.8201, 79.8387, 106.0220

Tritanomaly

69.9491, 80.2315, 106.4073

Monochromacy



Original Color

68.6245, 80.4276, 106.5149

Achromatopsia

71.5672, 75.2942, 81.9954

Achromatomaly

70.0107, 76.7633, 90.4837

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.6245, 80.4276, 106.5149 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(180, 242, 255)` looks like.

```
.text, #text, p{  
    color:rgb(180, 242, 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(180, 242, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 242, 255) }
```

Border

The CSS property to change the border of an element to XYZ 68.6245, 80.4276, 106.5149 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(180, 242, 255) }
```


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

```
.border{ border-color:rgb(180, 242, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 242, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 242, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 242, 255);  
box-shadow:4px 4px 4px 4px rgb(180, 242,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 68.6245, 80.4276, 106.5149 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 242, 255) }
```

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

```
.background{ background-color: rgb(180,  
242, 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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