

Converting Colors

XYZ(76.3532, 84.3868,
146.8875)

Have a look what the booklet for
XYZ(76.3532, 84.3868, 146.8875)
contains.

XYZ(68.7608, 81.3863, 106.6928)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(68.7608, 81.3863,
106.6928)**

Conversions

Conversions Part 1

Format	Color
Hex	B2F4FF
RGB	178, 244, 255
RGB Percent	70%, 96%, 100%
CMY	0.3019, 0.0431, 0.0000
CMYK	0.30, 0.04, 0.00, 0.00
HSL	189°, 100%, 85%
HSV	189°, 30%, 100%
XYZ	68.7608, 81.3863, 106.6928
YIQ	225.5200, -42.8670, -10.5710

Conversions

Conversions Part 2

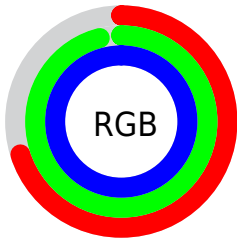
Format	Color
RYB	178, 214, 255
Decimal	11728127
CIELab	92.30, -17.97, -11.92
CIElCh	92, 21.565, 213.555
Yxy	81.3863, 0.2677, 0.3169
Android (android.graphics.Color)	4289918207 (0xFFB2F4FF)
YUV	225.5200, 14.5336, -41.6750
Hunter-Lab	90.2144, -21.8236, -6.9698

Details

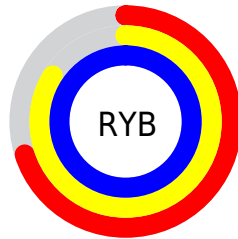
The XYZ color **68.7608, 81.3863, 106.6928** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **67.4737, 60.8694, 50.3142**, and the grayscale version is **71.8648, 75.6074, 82.3364**.

A 20% lighter version of the original color is **88.0709, 96.4022, 108.5734**, and **36.3446, 44.2546, 60.0525** is the 20% darker color. If you saturate the color by 10%, you get **62.3604, 76.4781, 106.0828**, and if you desaturate by 10%, it is **76.2747, 86.9047, 107.3619**.

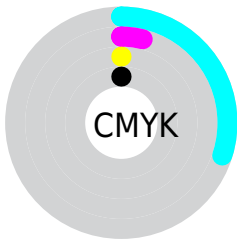
Distribution



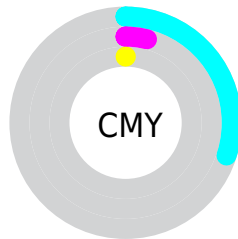
- Red (70%)
- Green (96%)
- Blue (100%)



- Red (70%)
- Yellow (84%)
- Blue (100%)



- Cyan (30%)
- Magenta (4%)
- Yellow (0%)
- Black (0%)



- Cyan (30%)
- Magenta (4%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.7608, 81.3863, 106.6928 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 68.7608, 81.3863, 106.6928 by changing the saturation by 10% instead.

68.7608, 81.3863,
106.6928

68.7608, 81.3863,
106.6928

445.5215,
499.5926, 602.8729

50.7929, 60.8598,
81.2537

116.4758,
135.3131, 172.4564

36.2642, 44.1120,
60.2183

146.9536,
169.4821, 213.6181

24.8093, 30.7586,
43.1682

182.3320,
208.9674, 260.8576

16.0630, 20.4151,
29.6847

222.9765,
254.1535, 314.5936

9.6599, 12.6971,
19.3494

269.2523,
305.4246, 375.2445

5.2346, 7.2203,
11.7437

321.5248,

2.4217, 3.6003,

363.1653, 443.2291

6.4490

380.1594,
427.7598, 518.9656

■ 0.8559, 1.4526,
3.0468

■ 0.0000, 0.2550,
1.1186

■ 68.7608, 81.3863,
106.6928

■ 68.7608, 81.3863,
106.6928

■ 62.3604, 76.4781,
106.0828

■ 76.2747, 86.9047,
107.3619

■ 57.0065, 72.1394,
105.5275

■ 84.9514, 93.0528,
108.0913

■ 52.6349, 68.3388,
105.0243

94.8451, 99.8608,
108.8839

■ 49.1715, 65.0380,
104.5697

95.0500, 100.0000,
108.9000

■ 46.5314, 62.1931,
104.1598

■ 44.6135, 59.7516,
103.7896

■ 43.2732, 57.6664,
103.4577

Harmonies

Analogous

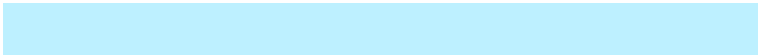
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



67.1411, 81.3863, 90.5334



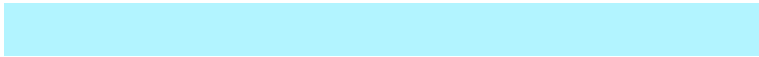
68.7608, 81.3863, 106.6928



72.6786, 81.3863, 119.0465

Triad

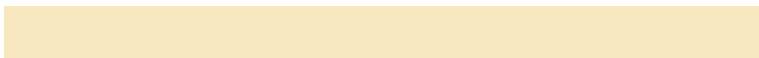
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



68.7608, 81.3863, 106.6928



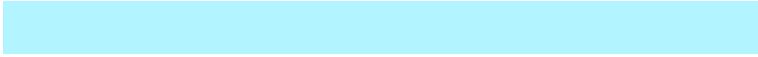
87.3565, 81.3863, 103.0041



76.6924, 81.3863, 61.3688

Complementary

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



68.7608, 81.3863, 106.6928



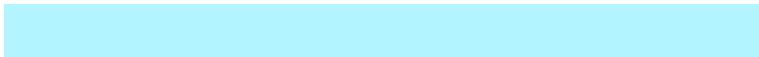
67.4737, 60.8694, 50.3142

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.



82.2283, 81.3863, 63.8704



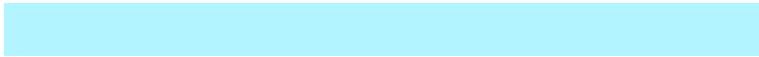
68.7608, 81.3863, 106.6928



88.5560, 81.3863, 86.7256

Square

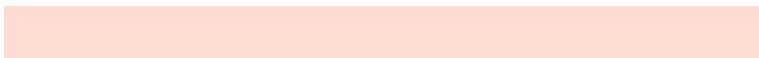
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



68.7608, 81.3863, 106.6928



83.4335, 81.3863, 116.7435



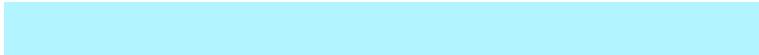
86.6375, 81.3863, 72.7055



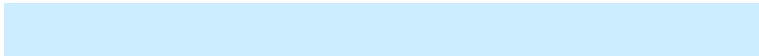
71.5796, 81.3863, 65.4132

Rectangle

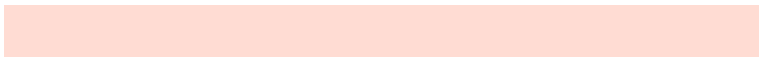
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



68.7608, 81.3863, 106.6928



76.1581, 81.3863, 122.7596



86.6375, 81.3863, 72.7055



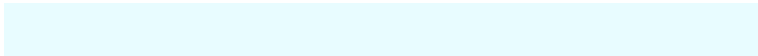
78.5648, 81.3863, 61.4744

Sweetspot

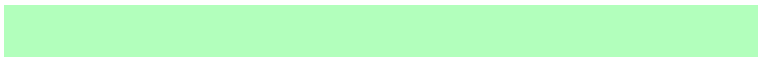
The Sweet Spot groups the original color and five complimentary colors.



68.7630, 81.3894, 106.6933



86.0683, 93.8309, 108.1826



63.2272, 84.6279, 60.7320



18.1315, 19.8811, 23.1318



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.



68.7630, 81.3894, 106.6933



64.9147, 78.4667, 106.3320



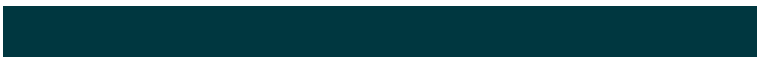
58.5390, 60.9416, 103.2853



18.3207, 20.0131, 23.1473



22.6959, 30.3014, 54.0871



2.2677, 3.0662, 5.2856

Inverse Universe

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



73.4909, 59.6342, 93.2286



70.3833, 53.9297, 90.6179



76.6819, 79.2859, 53.3836



18.6745, 18.2531, 22.1693



28.2440, 13.7869, 36.2652



2.7793, 1.3541, 3.6850

Previews

White Background



This preview shows how the XYZ color 68.7608, 81.3863, 106.6928 looks on a white background.

Color Contrast Check

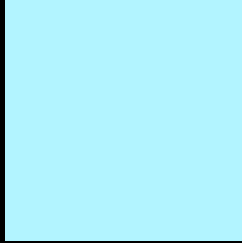
Large Text (above 18pt) WCAG AA × Fail

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 68.7608, 81.3863, 106.6928 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 68.7608, 81.3863, 106.6928

Background



This preview shows how black text looks on a background with the XYZ color 68.7608, 81.3863, 106.6928.

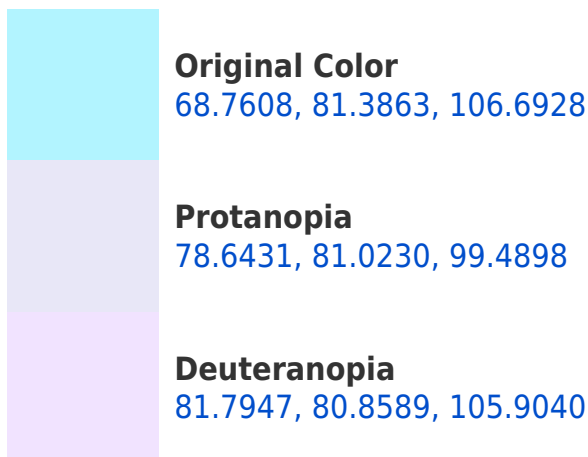


This preview shows how white text looks on a background with the XYZ color 68.7608, 81.3863,

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

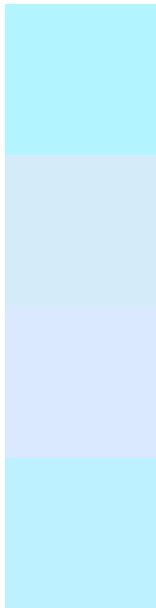




Tritanopia

71.7158, 81.1423, 106.4899

Trichromacy



Original Color

68.7608, 81.3863, 106.6928

Protanomaly

74.4021, 80.8901, 102.1344

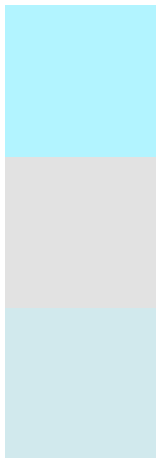
Deuteranomaly

76.1024, 80.4033, 106.1161

Tritanomaly

70.4916, 80.9494, 106.5172

Monochromacy



Original Color

68.7608, 81.3863, 106.6928

Achromatopsia

72.2879, 76.0525, 82.8211

Achromatomaly

70.7195, 77.9476, 91.4388

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.7608, 81.3863, 106.6928 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(178, 244, 255)` looks like.

```
.text, #text, p{  
    color:rgb(178, 244, 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(178, 244, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 244, 255) }
```

Border

The CSS property to change the border of an element to XYZ 68.7608, 81.3863, 106.6928 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(178, 244, 255) }
```


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

```
.border{ border-color:rgb(178, 244, 255) }
```

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

Here you see how a box with a 4 pixel rgb(178, 244, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 244, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 244, 255);  
box-shadow:4px 4px 4px 4px rgb(178, 244,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 68.7608, 81.3863, 106.6928 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 244, 255) }
```

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

```
.background{ background-color: rgb(178,  
244, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor