

Converting Colors

XYZ(67.5402, 77.8339,
115.2149)

Have a look what the booklet for
XYZ(67.5402, 77.8339, 115.2149)
contains.

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Color

**XYZ(65.8581, 77.2533,
106.0480)**

Conversions

Conversions Part 1

Format	Color
Hex	ADEEFF
RGB	173, 238, 255
RGB Percent	68%, 93%, 100%
CMY	0.3216, 0.0666, 0.0000
CMYK	0.32, 0.07, 0.00, 0.00
HSL	192°, 100%, 84%
HSV	192°, 32%, 100%
XYZ	65.8581, 77.2533, 106.0480
YIQ	220.5030, -44.1970, -8.4930

Conversions

Conversions Part 2

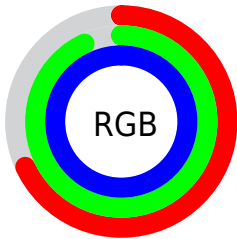
Format	Color
R _Y B	173, 209, 255
Decimal	11398911
CIE Lab	90.44, -16.34, -14.73
CIE LCh	90, 22.002, 222.045
Yxy	77.2533, 0.2643, 0.3101
Android (android.graphics.Color)	4289588991 (0xFFADEEFF)
YUV	220.5030, 17.0070, -41.6601
Hunter-Lab	87.8939, -20.0658, -10.0104

Details

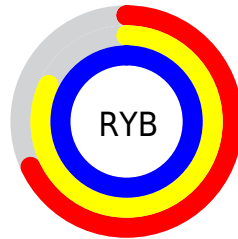
The XYZ color **65.8581, 77.2533, 106.0480** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **67.1965, 61.1039, 47.7896**, and the grayscale version is **68.2876, 71.8439, 78.2380**.

A 20% lighter version of the original color is **86.4431, 95.5630, 108.4972**, and **34.3922, 41.3847, 59.6015** is the 20% darker color. If you saturate the color by 10%, you get **59.2325, 71.5885, 105.3038**, and if you desaturate by 10%, it is **73.6091, 83.5691, 106.8586**.

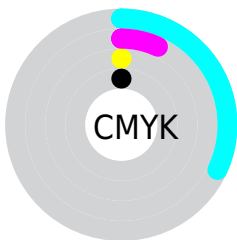
Distribution



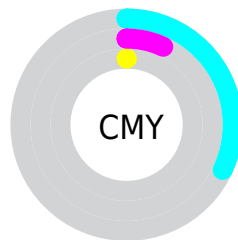
- Red (68%)
- Green (93%)
- Blue (100%)



- Red (68%)
- Yellow (82%)
- Blue (100%)



- Cyan (32%)
- Magenta (7%)
- Yellow (0%)
- Black (0%)



- Cyan (32%)
- Magenta (7%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 65.8581, 77.2533, 106.0480 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 65.8581, 77.2533, 106.0480 by changing the saturation by 10% instead.

65.8581, 77.2533,
106.0480

65.8581, 77.2533,
106.0480

435.3659,
485.6272, 600.8254

48.4245, 57.4608,
80.7161

112.3415,
129.4970, 171.5681

34.3758, 41.3753,
59.7782

142.1220,
162.7169, 212.5933

23.3467, 28.6125,
42.8157

176.7489,
201.1815, 259.6867

14.9718, 18.7879,
29.4102

216.5874,
245.2751, 313.2669

8.8858, 11.5171,
19.1431

262.0031,
295.3820, 373.7523

4.7233, 6.4158,
11.5959

313.3611,

2.1189, 3.0995,

351.8868, 441.5615

6.3500

371.0269,
415.1737, 517.1130

■ 0.6995, 1.1839,
2.9868

■ 0.0000, 0.0485,
1.0879

■ 65.8581, 77.2533,
106.0480

■ 65.8581, 77.2533,
106.0480

■ 59.2325, 71.5885,
105.3038

■ 73.6091, 83.5691,
106.8586

■ 53.6643, 66.5334,
104.6216

■ 82.5361, 90.5570,
107.7369

■ 49.0876, 62.0554,
103.9984

■ 92.6943, 98.2477,
108.6859

■ 45.4262, 58.1146,
103.4308

95.0500, 100.0000,
108.9000

■ 42.5924, 54.6652,
102.9143

■ 40.4801, 51.6519,
102.4440

■ 39.2047, 49.5293,
102.1016

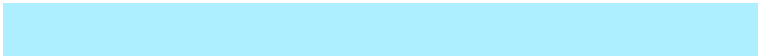
Harmonies

Analogous

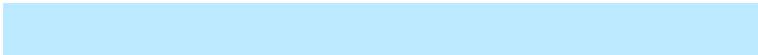
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



63.5726, 77.2533, 90.5887



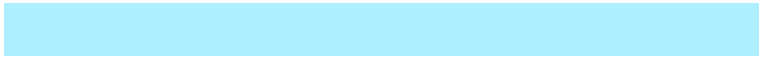
65.8581, 77.2533, 106.0480



70.2184, 77.2533, 116.3039

Triad

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



65.8581, 77.2533, 106.0480



83.9418, 77.2533, 93.7909



71.2444, 77.2533, 57.8613

Complementary

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



65.8581, 77.2533, 106.0480



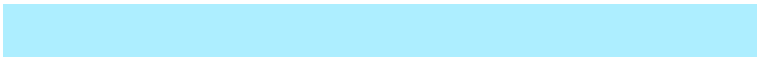
67.1965, 61.1039, 47.7896

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.



76.7318, 77.2533, 58.4926



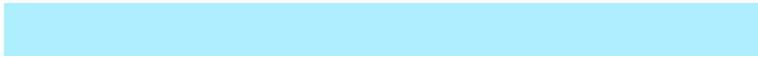
65.8581, 77.2533, 106.0480



84.2504, 77.2533, 77.9587

Square

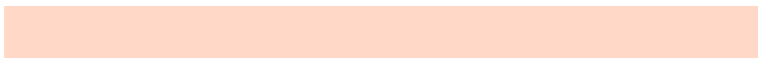
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



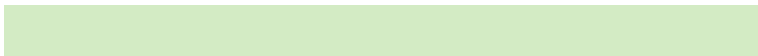
65.8581, 77.2533, 106.0480



80.7315, 77.2533, 108.6426



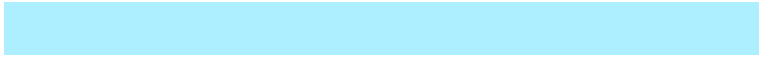
81.5546, 77.2533, 65.4372



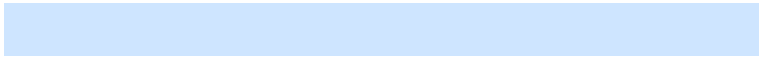
66.5769, 77.2533, 63.5894

Rectangle

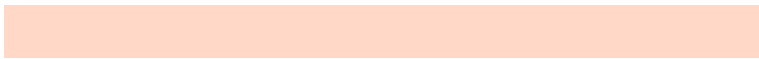
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



65.8581, 77.2533, 106.0480



73.8046, 77.2533, 118.1180



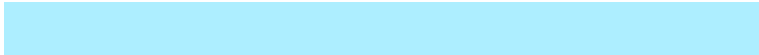
81.5546, 77.2533, 65.4372



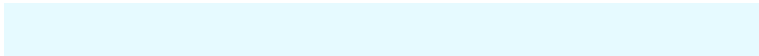
73.0505, 77.2533, 57.3587

Sweetspot

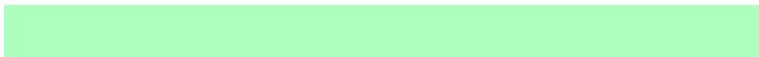
The Sweet Spot groups the original color and five complimentary colors.



65.8602, 77.2563, 106.0485



84.6199, 92.1543, 107.9354



62.2235, 84.0963, 61.3264



17.8199, 19.5011, 23.0748



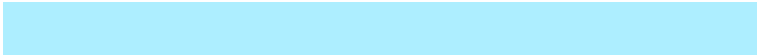
0.0000, 0.0000, 0.0000



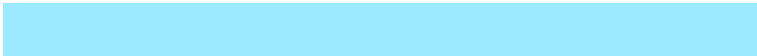
20.3446, 21.4041, 23.3091

Same Dimension

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



65.8602, 77.2563, 106.0485



61.2064, 73.3092, 105.5319



55.3877, 56.3113, 102.5577



18.2164, 19.8044, 23.1125



20.5964, 26.1024, 53.3873



2.0820, 2.6947, 5.2237

Inverse Universe

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



71.6175, 57.3218, 88.1819



67.9600, 50.8489, 84.3664



77.1917, 81.0944, 51.1213



18.6219, 18.2321, 21.8919



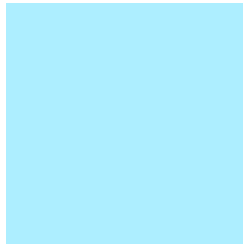
27.1843, 13.3630, 30.6847



2.6855, 1.3166, 3.1912

Previews

White Background



This preview shows how the XYZ color 65.8581, 77.2533, 106.0480 looks on a white background.

Color Contrast Check

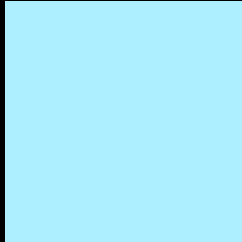
Large Text (above 18pt) WCAG AA × Fail

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 65.8581, 77.2533, 106.0480 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

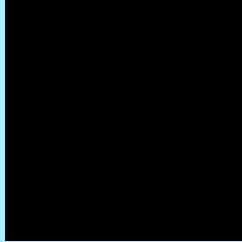
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 65.8581, 77.2533, 106.0480

Background



This preview shows how black text looks on a background with the XYZ color 65.8581, 77.2533, 106.0480.

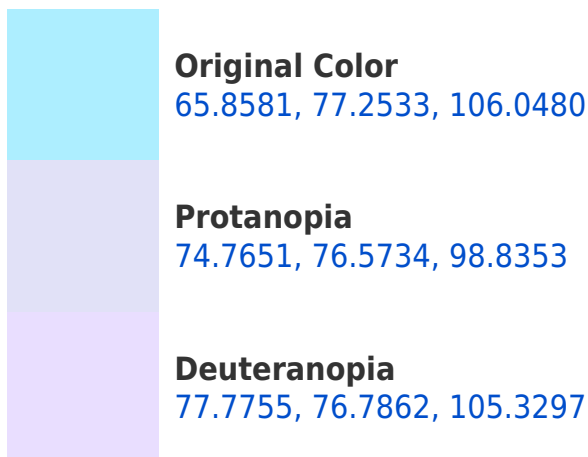


This preview shows how white text looks on a background with the XYZ color 65.8581, 77.2533,

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

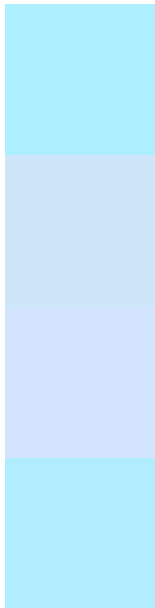




Tritanopia

66.4656, 77.1355, 105.9933

Trichromacy



Original Color

65.8581, 77.2533, 106.0480

Protanomaly

71.0057, 76.6176, 101.4887

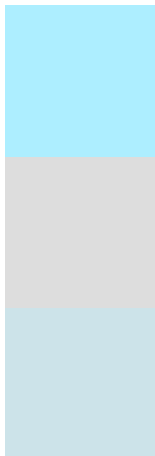
Deuteranomaly

72.6574, 76.5557, 105.5550

Tritanomaly

66.2387, 77.0185, 105.9826

Monochromacy



Original Color

65.8581, 77.2533, 106.0480

Achromatopsia

68.7264, 72.3055, 78.7407

Achromatomaly

67.0789, 73.6587, 87.7729

CSS Examples

Text

The CSS property to change the color of the text to XYZ 65.8581, 77.2533, 106.0480 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(173, 238, 255)` looks like.

```
.text, #text, p{  
    color:rgb(173, 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(173, 238, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 238, 255) }
```

Border

The CSS property to change the border of an element to XYZ 65.8581, 77.2533, 106.0480 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(173, 238, 255) }
```


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

```
.border{ border-color:rgb(173, 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(173, 238, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 238, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 238, 255);  
box-shadow:4px 4px 4px 4px rgb(173, 238,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 65.8581, 77.2533, 106.0480 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 238, 255) }
```

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

```
.background{ background-color: rgb(173,  
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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