

# Converting Colors

XYZ(65.3048, 77.8399,  
106.1904)

Have a look what the booklet for  
XYZ(65.3048, 77.8399, 106.1904)  
contains.

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# **Color**

**XYZ(65.3585, 77.8650,  
106.1924)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A8F0FF
RGB	168, 240, 255
RGB Percent	66%, 94%, 100%
CMY	0.3412, 0.0588, 0.0000
CMYK	0.34, 0.06, 0.00, 0.00
HSL	190°, 100%, 83%
HSV	190°, 34%, 100%
XYZ	65.3585, 77.8650, 106.1924
YIQ	220.1820, -47.7270, -10.5990

# Conversions

## Conversions Part 2

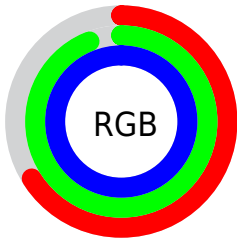
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	168, 207, 255
Decimal	11071743
CIE <sub>Lab</sub>	90.72, -18.67, -14.34
CIE <sub>LCh</sub>	91, 23.541, 217.533
Yxy	77.8650, 0.2620, 0.3122
Android (android.graphics.Color)	4289261823 (0xFFA8F0FF)
YUV	220.1820, 17.1653, -45.7636
Hunter-Lab	88.2411, -22.2105, -9.5828

# Details

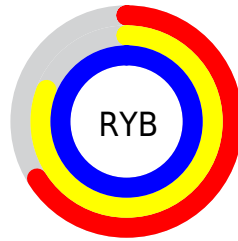
The XYZ color **65.3585, 77.8650, 106.1924** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **65.2416, 57.9540, 44.7952**, and the grayscale version is **68.0641, 71.6088, 77.9819**.

A 20% lighter version of the original color is **85.1740, 94.9088, 108.4378**, and **34.0156, 41.8029, 59.7020** is the 20% darker color. If you saturate the color by 10%, you get **59.1749, 72.7814, 105.5371**, and if you desaturate by 10%, it is **72.6421, 83.5660, 106.9090**.

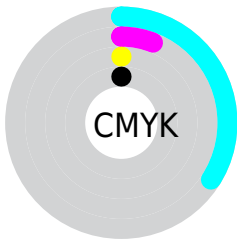
# Distribution



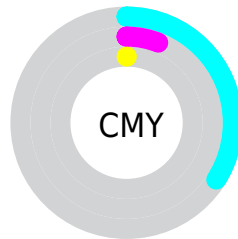
- Red (66%)
- Green (94%)
- Blue (100%)



- Red (66%)
- Yellow (81%)
- Blue (100%)



- Cyan (34%)
- Magenta (6%)
- Yellow (0%)
- Black (0%)



- Cyan (34%)
- Magenta (6%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 65.3585, 77.8650, 106.1924 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 65.3585, 77.8650, 106.1924 by changing the saturation by 10% instead.



65.3585, 77.8650,  
106.1924

65.3585, 77.8650,  
106.1924

433.6040,  
487.7082, 601.2843

48.0176, 57.9631,  
80.8364

111.6280,  
130.3598, 171.7671

34.0521, 41.7790,  
59.8767

141.2872,  
163.7215, 212.8229

23.0967, 28.9283,  
42.8946

175.7834,  
202.3385, 259.9490

14.7860, 19.0266,  
29.4716

215.4817,  
246.5953, 313.5641

8.7547, 11.6895,  
19.1893

260.7475,  
296.8763, 374.0866

4.6374, 6.5326,  
11.6289

311.9463,

2.0686, 3.1716,

353.5659, 441.9351

6.3721

369.4434,  
417.0484, 517.5282

■ 0.6721, 1.2219,  
3.0002

■ 0.0000, 0.0795,  
1.0947

■ 65.3585, 77.8650,  
106.1924

■ 65.3585, 77.8650,  
106.1924

■ 59.1749, 72.7814,  
105.5371

■ 72.6421, 83.5660,  
106.9090

■ 54.0223, 68.2735,  
104.9386

■ 81.0770, 89.9055,  
107.6880

■ 49.8335, 64.3085,  
104.3940

■ 90.7188, 96.9144,  
108.5327

■ 46.5307, 60.8457,  
103.8997

95.0500, 100.0000,  
108.9000

■ 44.0232, 57.8381,  
103.4513

■ 42.2005, 55.2285,  
103.0437

■ 41.3555, 53.8311,  
102.8185

# Harmonies

## Analogous

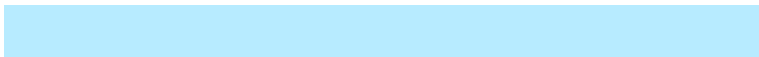
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



63.3056, 77.8650, 89.1200



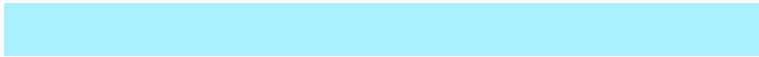
65.3585, 77.8650, 106.1924



69.7505, 77.8650, 118.5493

# Triad

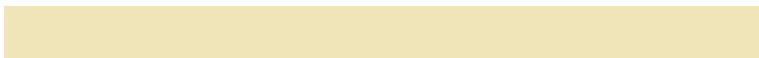
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



65.3585, 77.8650, 106.1924



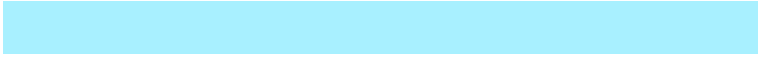
85.0130, 77.8650, 97.8354



72.5286, 77.8650, 56.4398

# Complementary

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



65.3585, 77.8650, 106.1924



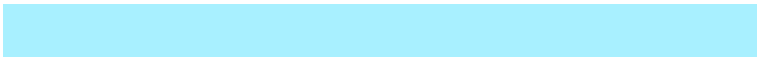
65.2416, 57.9540, 44.7952

# 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.



78.4360, 77.8650, 58.1252



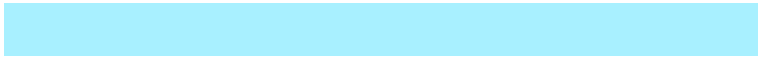
65.3585, 77.8650, 106.1924



85.8541, 77.8650, 80.5866

# Square

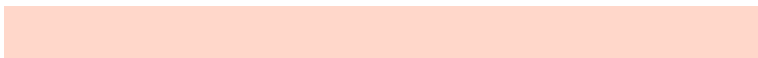
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



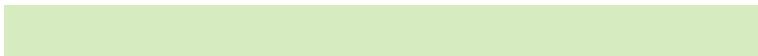
65.3585, 77.8650, 106.1924



81.1488, 77.8650, 113.2941



83.3896, 77.8650, 66.4617

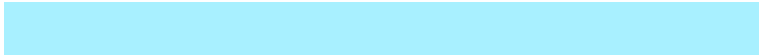


67.2995, 77.8650, 61.5058

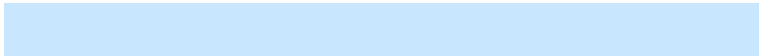


# Rectangle

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



65.3585, 77.8650, 106.1924



73.5204, 77.8650, 121.6263



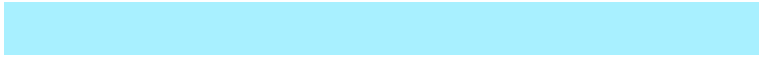
83.3896, 77.8650, 66.4617



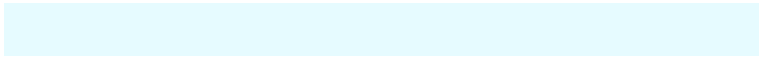
74.4985, 77.8650, 56.2488

# Sweetspot

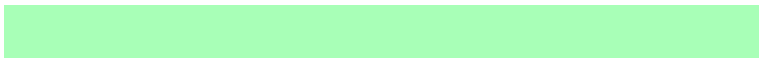
The Sweet Spot groups the original color and five complimentary colors.



65.3606, 77.8680, 106.1929



84.8967, 92.7079, 108.0276



60.4048, 83.2435, 57.4130



17.8873, 19.6358, 23.0973



0.0000, 0.0000, 0.0000

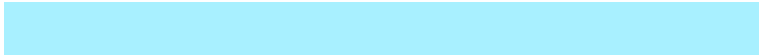


20.3446, 21.4041, 23.3091

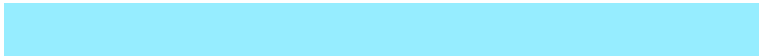


# Same Dimension

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



65.3606, 77.8680, 106.1929



60.9886, 74.3028, 105.7352



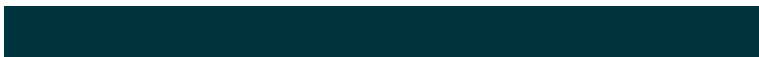
54.1660, 55.4789, 102.4614



18.2728, 19.9172, 23.1313



21.7069, 28.3233, 53.7575



2.1806, 2.8918, 5.2565



# Inverse Universe

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



70.9721, 55.5582, 89.4246



67.5012, 49.3298, 86.0683



75.5049, 78.4807, 48.2163



18.6503, 18.2434, 22.0418



27.7448, 13.5872, 33.6364

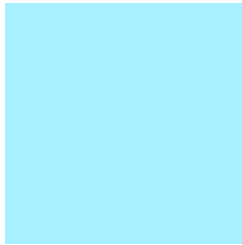


2.7353, 1.3365, 3.4533



# Previews

## White Background



This preview shows how the XYZ color 65.3585, 77.8650, 106.1924 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

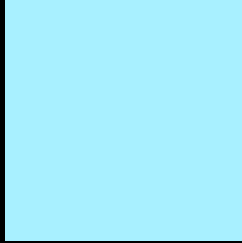
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 65.3585, 77.8650, 106.1924 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

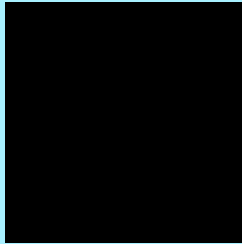
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 65.3585, 77.8650, 106.1924

## Background



This preview shows how black text looks on a background with the XYZ color 65.3585, 77.8650, 106.1924.



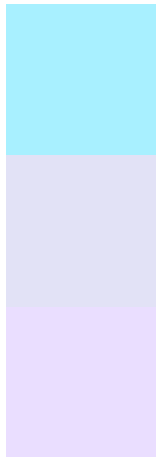
This preview shows how white text looks on a background with the XYZ color 65.3585, 77.8650,



# 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

65.3585, 77.8650, 106.1924

### Protanopia

75.1949, 77.2153, 98.1296

### Deuteranopia

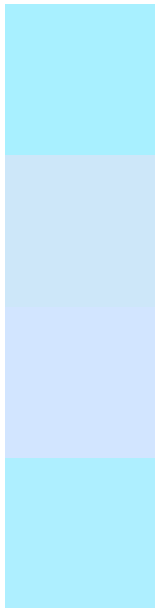
78.1030, 76.9550, 105.3451



## Tritanopia

66.9846, 77.8340, 106.1008

# Trichromacy



## Original Color

65.3585, 77.8650, 106.1924

## Protanomaly

70.8516, 76.9705, 100.7450

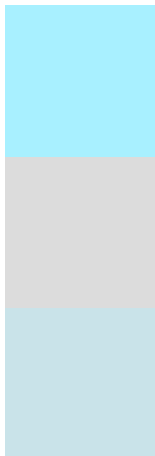
## Deuteranomaly

72.6477, 76.9603, 105.6336

## Tritanomaly

66.3721, 77.9517, 106.1557

# Monochromacy



## Original Color

65.3585, 77.8650, 106.1924

## Achromatopsia

68.0267, 71.5694, 77.9390

## Achromatomaly

66.2645, 73.2389, 87.7348

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 65.3585, 77.8650, 106.1924 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(168, 240, 255)` looks like.

```
.text, #text, p{  
    color:rgb(168, 240, 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(168, 240, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 240, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 65.3585, 77.8650, 106.1924 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(168, 240, 255) }
```



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

```
.border{ border-color:rgb(168, 240, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 240, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 240, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 240, 255);  
box-shadow:4px 4px 4px 4px rgb(168, 240,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 65.3585, 77.8650, 106.1924 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 240, 255) }
```

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

```
.background{ background-color: rgb(168,  
240, 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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