

Converting Colors

XYZ(67.5450, 77.4904,
106.0049)

Have a look what the booklet for
XYZ(67.5450, 77.4904, 106.0049)
contains.

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Color

**XYZ(67.6256, 77.7335,
106.0476)**

Conversions

Conversions Part 1

Format	Color
Hex	B6EDFF
RGB	182, 237, 255
RGB Percent	71%, 93%, 100%
CMY	0.2863, 0.0706, 0.0000
CMYK	0.29, 0.07, 0.00, 0.00
HSL	195°, 100%, 86%
HSV	195°, 29%, 100%
XYZ	67.6256, 77.7335, 106.0476
YIQ	222.6070, -38.5580, -6.0620

Conversions

Conversions Part 2

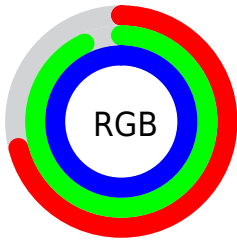
Format	Color
R _Y B	182, 213, 255
Decimal	11988479
CIE Lab	90.66, -13.36, -14.36
CIE LCh	91, 19.613, 227.048
Yxy	77.7335, 0.2690, 0.3092
Android (android.graphics.Color)	4290178559 (0xFFB6EDFF)
YUV	222.6070, 15.9697, -35.6123
Hunter-Lab	88.1666, -17.3784, -9.5979

Details

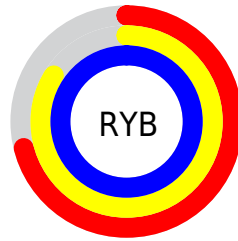
The XYZ color **67.6256, 77.7335, 106.0476** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **70.3378, 65.9455, 53.2793**, and the grayscale version is **69.7723, 73.4058, 79.9390**.

A 20% lighter version of the original color is **89.4066, 97.0907, 108.6359**, and **35.4693, 41.6370, 59.5934** is the 20% darker color. If you saturate the color by 10%, you get **60.3550, 71.3325, 105.1952**, and if you desaturate by 10%, it is **76.0607, 84.8335, 106.9734**.

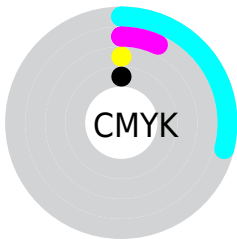
Distribution



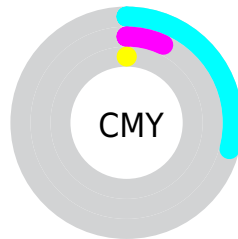
- Red (71%)
- Green (93%)
- Blue (100%)



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



- Cyan (29%)
- Magenta (7%)
- Yellow (0%)
- Black (0%)



- Cyan (29%)
- Magenta (7%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 67.6256, 77.7335, 106.0476 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 67.6256, 77.7335, 106.0476 by changing the saturation by 10% instead.

67.6256, 77.7335,
106.0476

67.6256, 77.7335,
106.0476

441.5659,
487.2613, 600.8242

49.8658, 57.8551,
80.7157

114.8612,
130.1744, 171.5675

35.5241, 41.6922,
59.7779

145.0677,
163.5056, 212.5927

24.2353, 28.8603,
42.8155

180.1539,
202.0899, 259.6860

15.6339, 18.9752,
29.4100

220.4849,
246.3117, 313.2661

9.3547, 11.6523,
19.1430

266.4263,
296.5553, 373.7514

5.0322, 6.5074,
11.5958

318.3434,

2.3011, 3.1560,

353.2052, 441.5604

6.3499

376.6014,
416.6457, 517.1119

0.7952, 1.2137,
2.9868

0.0000, 0.0729,
1.0879

67.6256, 77.7335,
106.0476

67.6256, 77.7335,
106.0476

60.3550, 71.3325,
105.1952

76.0607, 84.8335,
106.9734

54.1825, 65.5893,
104.4120

85.7097, 92.6530,
107.9742

49.0441, 60.4721,
103.6951

95.0500, 100.0000,
108.9000

44.8668, 55.9422,
103.0409

■ 41.5671, 51.9555,
102.4453

■ 39.0462, 48.4601,
101.9035

■ 37.1638, 45.3826,
101.4087

■ 36.9296, 44.9792,
101.3432

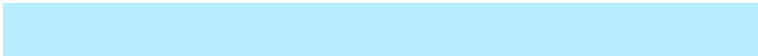
Harmonies

Analogous

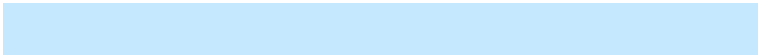
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



65.2065, 77.7335, 92.8288



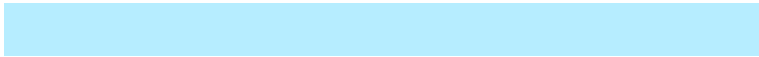
67.6256, 77.7335, 106.0476



71.7841, 77.7335, 113.8692

Triad

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



67.6256, 77.7335, 106.0476



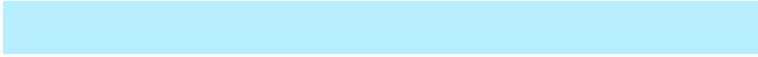
83.4873, 77.7335, 90.8549



71.1457, 77.7335, 61.2975

Complementary

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



67.6256, 77.7335, 106.0476



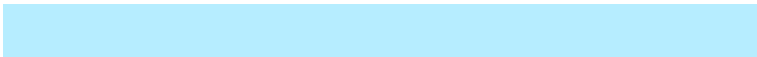
70.3378, 65.9455, 53.2793

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.



76.0232, 77.7335, 60.8944



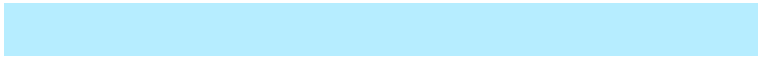
67.6256, 77.7335, 106.0476



83.2977, 77.7335, 76.9448

Square

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



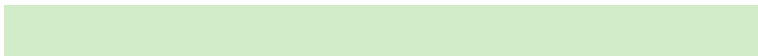
67.6256, 77.7335, 106.0476



81.0228, 77.7335, 104.4651



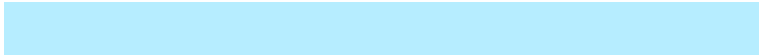
80.5157, 77.7335, 66.3242



67.1761, 77.7335, 67.4941

Rectangle

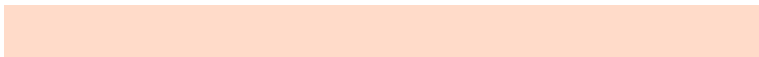
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



67.6256, 77.7335, 106.0476



75.0497, 77.7335, 114.4606



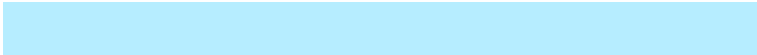
80.5157, 77.7335, 66.3242



72.7292, 77.7335, 60.5063

Sweetspot

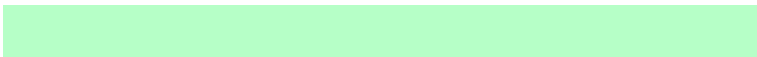
The Sweet Spot groups the original color and five complimentary colors.



67.6277, 77.7365, 106.0480



85.3265, 92.3473, 107.9354



65.3651, 85.5907, 67.1302



17.9478, 19.5136, 23.0705



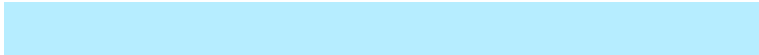
0.0000, 0.0000, 0.0000



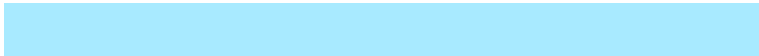
20.3446, 21.4041, 23.3091

Same Dimension

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



67.6277, 77.7365, 106.0480



63.5790, 74.2109, 105.5809



58.3383, 59.1578, 102.9516



18.1533, 19.6782, 23.0914



19.4203, 23.7501, 52.9953



1.9767, 2.4840, 5.1886

Inverse Universe

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



73.2553, 60.8319, 88.0050



70.0957, 55.2952, 84.5394



79.5453, 84.3606, 56.3485



18.5900, 18.2193, 21.7242



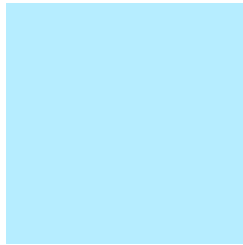
26.5907, 13.1256, 27.5586



2.6323, 1.2953, 2.9113

Previews

White Background



This preview shows how the XYZ color 67.6256, 77.7335, 106.0476 looks on a white background.

Color Contrast Check

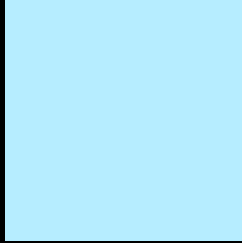
Large Text (above 18pt) WCAG AA × Fail

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 67.6256, 77.7335, 106.0476 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

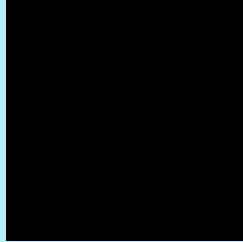
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 67.6256, 77.7335, 106.0476

Background



This preview shows how black text looks on a background with the XYZ color 67.6256, 77.7335, 106.0476.

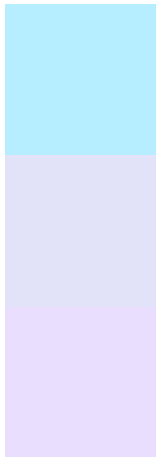


This preview shows how white text looks on a background with the XYZ color 67.6256, 77.7335,

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

67.6256, 77.7335, 106.0476

Protanopia

75.5037, 77.3388, 99.7553

Deuteranopia

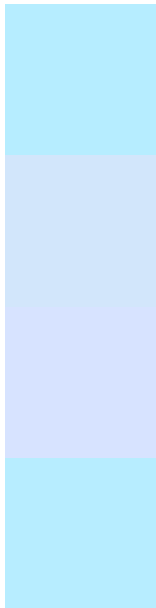
78.1030, 76.9550, 105.3451



Tritanopia

68.1014, 77.9787, 106.0698

Trichromacy



Original Color

67.6256, 77.7335, 106.0476

Protanomaly

72.2877, 77.2603, 102.3695

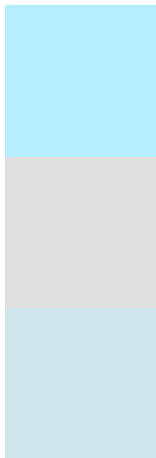
Deuteranomaly

73.5434, 76.6052, 105.5179

Tritanomaly

67.8626, 77.8557, 106.0586

Monochromacy



Original Color

67.6256, 77.7335, 106.0476

Achromatopsia

70.1384, 73.7910, 80.3584

Achromatomaly

68.7512, 74.8949, 89.4298

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.6256, 77.7335, 106.0476 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(182, 237, 255)` looks like.

```
.text, #text, p{  
    color:rgb(182, 237, 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(182, 237, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 237, 255) }
```

Border

The CSS property to change the border of an element to XYZ 67.6256, 77.7335, 106.0476 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(182, 237, 255) }
```


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

```
.border{ border-color:rgb(182, 237, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(182, 237, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(182, 237, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(182, 237, 255);  
box-shadow:4px 4px 4px 4px rgb(182, 237,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 67.6256, 77.7335, 106.0476 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 237, 255) }
```

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

```
.background{ background-color: rgb(182,  
237, 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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