

Converting Colors

XYZ(66.8319, 76.8703,
104.6377)

Have a look what the booklet for
XYZ(66.8319, 76.8703, 104.6377)
contains.

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Color

**XYZ(66.7811, 76.9065,
104.2532)**

Conversions

Conversions Part 1

Format	Color
Hex	B5ECFD
RGB	181, 236, 253
RGB Percent	71%, 93%, 99%
CMY	0.2902, 0.0745, 0.0078
CMYK	0.28, 0.07, 0.00, 0.01
HSL	194°, 95%, 85%
HSV	194°, 28%, 99%
XYZ	66.7811, 76.9065, 104.2532
YIQ	221.4930, -38.2370, -6.3730

Conversions

Conversions Part 2

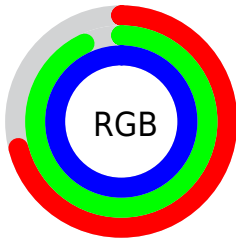
Format	Color
R _{YB}	181, 212, 253
Decimal	11922685
CIE Lab	90.28, -13.59, -13.89
CIE LCh	90, 19.432, 225.607
Yxy	76.9065, 0.2693, 0.3102
Android (android.graphics.Color)	4290112765 (0xFFB5ECFD)
YUV	221.4930, 15.5330, -35.5124
Hunter-Lab	87.6964, -17.5402, -9.0964

Details

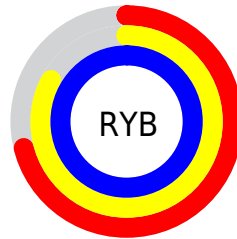
The XYZ color **66.7811, 76.9065, 104.2532** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **69.0435, 64.6075, 52.5493**, and the grayscale version is **68.9890, 72.5818, 79.0416**.

A 20% lighter version of the original color is **89.0699, 96.9171, 108.6201**, and **34.8892, 41.0637, 58.3118** is the 20% darker color. If you saturate the color by 10%, you get **59.6884, 70.7416, 103.4384**, and if you desaturate by 10%, it is **75.0131, 83.7479, 105.1411**.

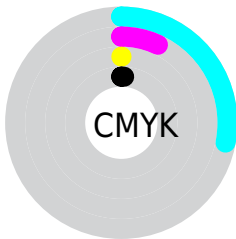
Distribution



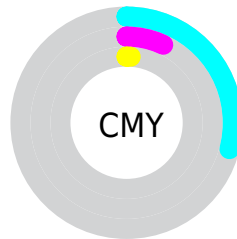
- Red (71%)
- Green (93%)
- Blue (99%)



- Red (71%)
- Yellow (83%)
- Blue (99%)



- Cyan (28%)
- Magenta (7%)
- Yellow (0%)
- Black (1%)



- Cyan (29%)
- Magenta (7%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 66.7811, 76.9065, 104.2532 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 66.7811, 76.9065, 104.2532 by changing the saturation by 10% instead.

66.7811, 76.9065,
104.2532

66.7811, 76.9065,
104.2532

438.6099,
484.4452, 595.1072

49.1768, 57.1761,
79.2207

113.6582,
129.0075, 169.0925

34.9749, 41.1467,
58.5549

143.6618,
162.1469, 209.7364

23.8099, 28.4337,
41.8373

178.5291,
200.5248, 256.4212

15.3167, 18.6529,
28.6493

218.6255,
244.5256, 309.5654

9.1297, 11.4197,
18.5724

264.3165,
294.5336, 369.5876

4.8837, 6.3499,
11.1880

315.9673,

2.2132, 3.0590,

350.9333, 436.9062

6.0777

373.9433,
414.1090, 511.9399

■ 0.7497, 1.1626,
2.8228

■ 0.0000, 0.0308,
1.0049

■ 66.7811, 76.9065,
104.2532

■ 66.7811, 76.9065,
104.2532

■ 59.6884, 70.7416,
103.4384

■ 75.0131, 83.7479,
105.1411

■ 53.6692, 65.2127,
102.6884

■ 84.4320, 91.2855,
106.0996

■ 48.6614, 60.2890,
102.0020

■ 94.3872, 99.1865,
107.1000

■ 44.5934, 55.9326,
101.3755

■ 94.7299, 99.8719,
107.2142

■ 41.3835, 52.1006,
100.8051

■ 38.9355, 48.7425,
100.2859

■ 37.1140, 45.7877,
99.8116

■ 36.8605, 45.3532,
99.7411

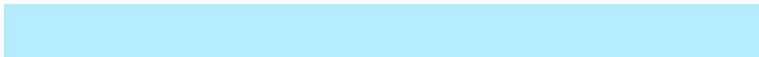
Harmonies

Analogous

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



64.4993, 76.9065, 91.1120



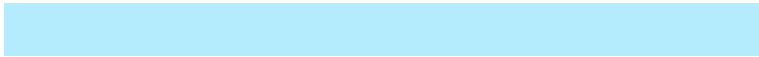
66.7811, 76.9065, 104.2532



70.8095, 76.9065, 112.2836

Triad

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



66.7811, 76.9065, 104.2532



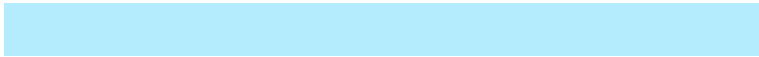
82.4827, 76.9065, 90.5360



70.6231, 76.9065, 60.6115

Complementary

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



66.7811, 76.9065, 104.2532



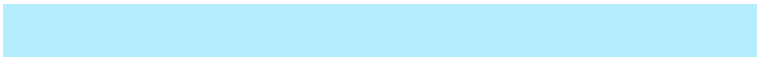
69.0435, 64.6075, 52.5493

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.



75.4339, 76.9065, 60.4937



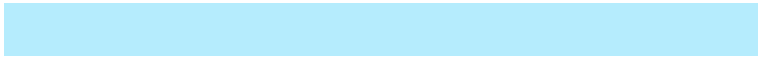
66.7811, 76.9065, 104.2532



82.4273, 76.9065, 76.7732

Square

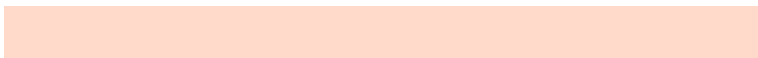
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



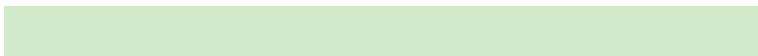
66.7811, 76.9065, 104.2532



79.9477, 76.9065, 103.7916



79.7998, 76.9065, 66.1080



66.6499, 76.9065, 66.4498

Rectangle

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



66.7811, 76.9065, 104.2532



74.0100, 76.9065, 113.1475



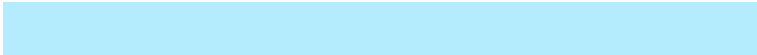
79.7998, 76.9065, 66.1080



72.1922, 76.9065, 59.9250

Sweetspot

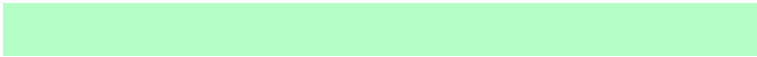
The Sweet Spot groups the original color and five complimentary colors.



66.7834, 76.9096, 104.2550



85.4008, 92.4959, 107.9601



64.3529, 84.1438, 66.1565



17.9661, 19.5504, 23.0766



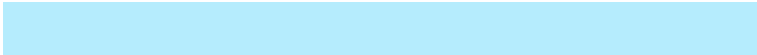
0.0000, 0.0000, 0.0000



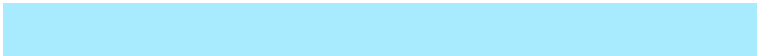
20.3446, 21.4041, 23.3091

Same Dimension

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



66.7834, 76.9096, 104.2550



63.8370, 74.7270, 105.6669



57.4879, 58.3186, 101.1565



18.1701, 19.7117, 23.0970



19.7259, 24.3614, 53.0971



2.0041, 2.5390, 5.1977

Inverse Universe

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



72.1741, 59.9884, 87.1352



70.2260, 55.3473, 85.2252



78.2159, 82.9522, 55.6067



18.5985, 18.2227, 21.7688



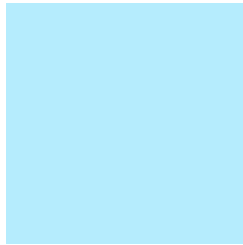
26.7449, 13.1873, 28.3709



2.6462, 1.3009, 2.9843

Previews

White Background



This preview shows how the XYZ color 66.7811, 76.9065, 104.2532 looks on a white background.

Color Contrast Check

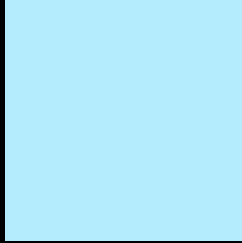
Large Text (above 18pt) WCAG AA × Fail

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 66.7811, 76.9065, 104.2532 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

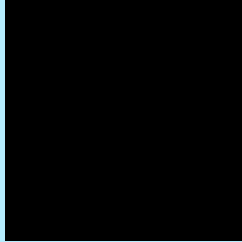
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 66.7811, 76.9065, 104.2532

Background



This preview shows how black text looks on a background with the XYZ color 66.7811, 76.9065, 104.2532.

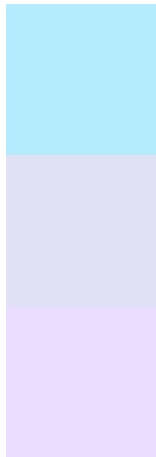


This preview shows how white text looks on a background with the XYZ color 66.7811, 76.9065,

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

66.7811, 76.9065, 104.2532

Protanopia

74.6111, 76.5118, 98.0246

Deuteranopia

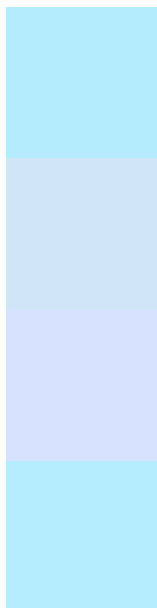
77.8381, 76.4253, 105.2568



Tritanopia

67.1015, 77.0347, 105.9403

Trichromacy



Original Color

66.7811, 76.9065, 104.2532

Protanomaly

71.4127, 76.4335, 100.6118

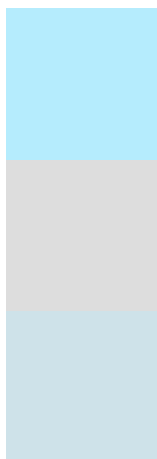
Deuteranomaly

73.1101, 75.9955, 104.5812

Tritanomaly

66.9409, 76.9704, 105.0945

Monochromacy



Original Color

66.7811, 76.9065, 104.2532

Achromatopsia

68.7264, 72.3055, 78.7407

Achromatomaly

67.3579, 73.3977, 87.7078

CSS Examples

Text

The CSS property to change the color of the text to XYZ 66.7811, 76.9065, 104.2532 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(181, 236, 253)` looks like.

```
.text, #text, p{  
    color:rgb(181, 236, 253)  
}
```

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(181, 236, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 236, 253) }
```

Border

The CSS property to change the border of an element to XYZ 66.7811, 76.9065, 104.2532 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(181, 236, 253) }
```


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

```
.border{ border-color:rgb(181, 236, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 236, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 236, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 236, 253);  
box-shadow:4px 4px 4px 4px rgb(181, 236,  
253) }
```

Background

The CSS property to change the background color of an element to XYZ 66.7811, 76.9065, 104.2532 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 236, 253) }
```

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

```
.background{ background-color: rgb(181,  
236, 253) }
```

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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