

Converting Colors

XYZ(66.5675, 85.9773, 77.7235)

Have a look what the booklet for
XYZ(66.5675, 85.9773, 77.7235)
contains.

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Color

**XYZ(66.7451, 86.0616,
78.0595)**

Conversions

Conversions Part 1

Format	Color
Hex	B3FFD8
RGB	179, 255, 216
RGB Percent	70%, 100%, 85%
CMY	0.2980, 0.0000, 0.1529
CMYK	0.30, 0.00, 0.15, 0.00
HSL	149°, 100%, 85%
HSV	149°, 30%, 100%
XYZ	66.7451, 86.0616, 78.0595
YIQ	227.8300, -32.7770, -28.2410

Conversions

Conversions Part 2

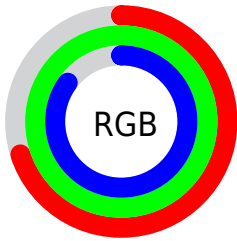
Format	Color
RYB	179, 230, 255
Decimal	11796440
CIELab	94.34, -31.17, 11.24
CIELCh	94, 33.139, 160.174
Yxy	86.0616, 0.2891, 0.3728
Android (android.graphics.Color)	4289986520 (0xFFB3FFD8)
YUV	227.8300, -5.8322, -42.8239
Hunter-Lab	92.7694, -33.9205, 15.0498

Details

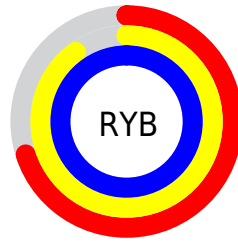
The XYZ color **66.7451, 86.0616, 78.0595** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **70.0154, 58.5630, 73.9433**, and the grayscale version is **73.6768, 77.5137, 84.4124**.

A 20% lighter version of the original color is **88.4021, 96.5729, 108.5889**, and **34.9393, 47.2465, 40.9962** is the 20% darker color. If you saturate the color by 10%, you get **59.7615, 82.6491, 69.2511**, and if you desaturate by 10%, it is **74.9548, 90.0905, 87.6313**.

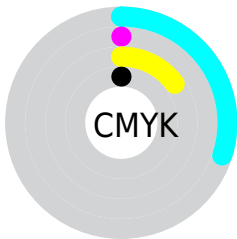
Distribution



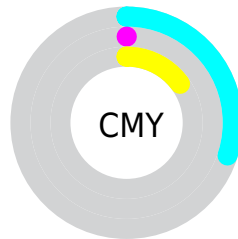
- Red (70%)
- Green (100%)
- Blue (85%)



- Red (70%)
- Yellow (90%)
- Blue (100%)



- Cyan (30%)
- Magenta (0%)
- Yellow (15%)
- Black (0%)




- Cyan (30%)
- Magenta (0%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 66.7451, 86.0616, 78.0595 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 66.7451, 86.0616, 78.0595 by changing the saturation by 10% instead.


 66.7451, 86.0616,
78.0595

 66.7451, 86.0616,
78.0595


438.4837,
515.1343, 507.9021

 49.1474, 64.7189,
57.6061


 113.6069,
141.8554, 132.4206

 34.9515, 47.2332,
41.0795


143.6018,
177.0754, 167.1655

 23.7918, 33.2200,
28.0610


178.4597,
217.6899, 207.5112

 15.3032, 22.2951,
18.1322

218.5462,
264.0833, 253.8763

 9.1201, 14.0739,
10.8745

264.2264,
316.6401, 306.6795

 4.8774, 8.1721,
5.8694

315.8658,

 2.2095, 4.2052,

375.7446, 366.3391

2.6983

373.8298,
441.7812, 433.2738

■ 0.7477, 1.7890,
0.9426

■ 0.0000, 0.4803,
0.0000

■ 66.7451, 86.0616,
78.0595

■ 66.7451, 86.0616,
78.0595

■ 59.7615, 82.6491,
69.2511

■ 74.9548, 90.0905,
87.6313

■ 53.9383, 79.8197,
61.1827

■ 84.4468, 94.7645,
97.9809

■ 49.2071, 77.5384,
53.8355

95.0500, 100.0000,
108.9000

■ 45.4910, 75.7660,
47.1885

■ 42.7022, 74.4575,
41.2191

■ 40.7367, 73.5599,
35.9034

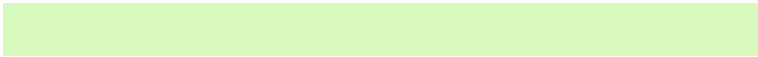
■ 39.4301, 72.9888,
31.2136

■ 39.4075, 72.9790,
31.1272

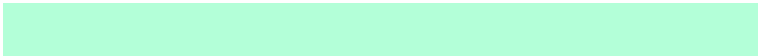
Harmonies

Analogous

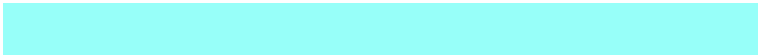
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



71.2569, 86.0616, 61.0486



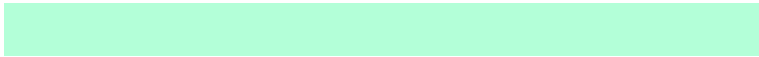
66.7451, 86.0616, 78.0595



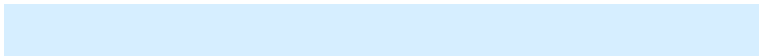
66.0970, 86.0616, 102.6250

Triad

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



66.7451, 86.0616, 78.0595



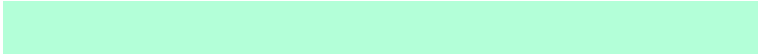
84.8565, 86.0616, 150.6422



95.5719, 86.0616, 65.5329

Complementary

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



66.7451, 86.0616, 78.0595



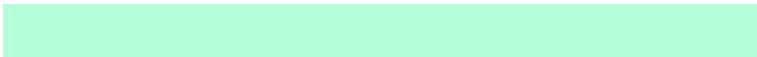
70.0154, 58.5630, 73.9433

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.



99.8094, 86.0616, 85.3202



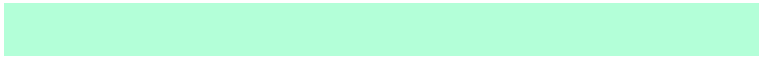
66.7451, 86.0616, 78.0595



93.3327, 86.0616, 136.3247

Square

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



66.7451, 86.0616, 78.0595



76.1356, 86.0616, 147.7345



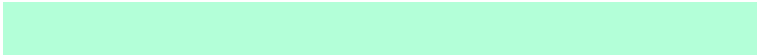
98.9615, 86.0616, 111.3160



87.7365, 86.0616, 54.7763

Rectangle

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



66.7451, 86.0616, 78.0595



67.8896, 86.0616, 120.5375



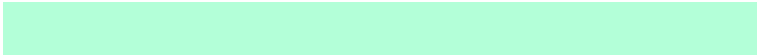
98.9615, 86.0616, 111.3160



97.4892, 86.0616, 71.1854

Sweetspot

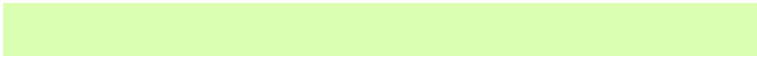
The Sweet Spot groups the original color and five complimentary colors.



66.7459, 86.0619, 78.0609



85.2664, 95.1687, 98.8463



72.8905, 89.7215, 56.1252



17.9340, 20.2140, 20.8224



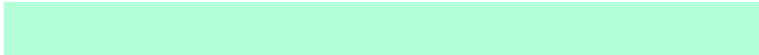
0.0000, 0.0000, 0.0000



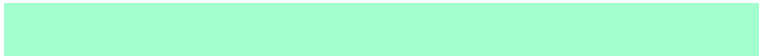
20.3446, 21.4041, 23.3091

Same Dimension

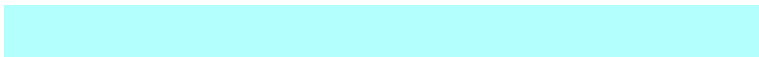
The Same Dimension uses a secret algorithm to generate beautiful new colors.



66.7459, 86.0619, 78.0609



62.2773, 83.8765, 72.5131



72.1976, 88.2427, 106.7695



18.1401, 20.3156, 21.0407



20.6661, 38.1630, 16.6587



2.0671, 3.7378, 1.9114

Inverse Universe

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



70.0154, 58.5630, 73.9433



66.0439, 52.1939, 67.7669



65.6262, 56.8073, 50.8298



18.3985, 18.1427, 20.7156



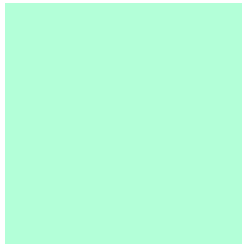
23.7600, 11.9933, 12.6524



2.3686, 1.1898, 1.5227

Previews

White Background



This preview shows how the XYZ color 66.7451, 86.0616, 78.0595 looks on a white background.

Color Contrast Check

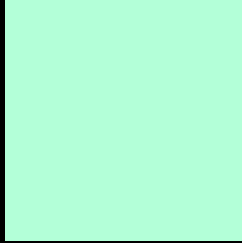
Large Text (above 18pt) WCAG AA × Fail

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 66.7451, 86.0616, 78.0595 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 66.7451, 86.0616, 78.0595

Background



This preview shows how black text looks on a background with the XYZ color 66.7451, 86.0616, 78.0595.

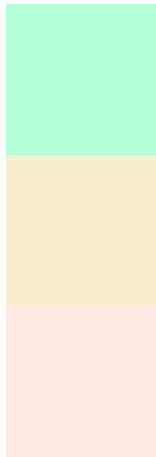


This preview shows how white text looks on a background with the XYZ color 66.7451, 86.0616,

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

66.7451, 86.0616, 78.0595

Protanopia

80.6136, 85.2131, 71.2305

Deuteranopia

84.5218, 85.1950, 86.1182



Tritanopia

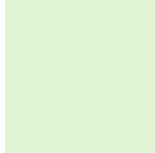
77.2520, 85.3182, 107.0042

Trichromacy



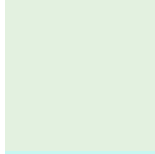
Original Color

66.7451, 86.0616, 78.0595



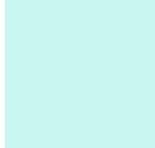
Protanomaly

74.7240, 85.2018, 73.4800



Deuteranomaly

76.5884, 84.6233, 82.8183



Tritanomaly

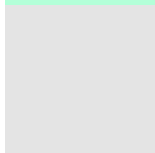
72.9574, 85.1518, 95.8098

Monochromacy



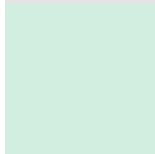
Original Color

66.7451, 86.0616, 78.0595



Achromatopsia

73.7419, 77.5822, 84.4870



Achromatomaly

70.6074, 80.2325, 82.2860

CSS Examples

Text

The CSS property to change the color of the text to XYZ 66.7451, 86.0616, 78.0595 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(179, 255, 216)` looks like.

```
.text, #text, p{  
    color:rgb(179, 255, 216)  
}
```

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(179, 255, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 255, 216) }
```

Border

The CSS property to change the border of an element to XYZ 66.7451, 86.0616, 78.0595 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(179, 255, 216) }
```


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

```
.border{ border-color:rgb(179, 255, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 255, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 255, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 255, 216);  
box-shadow:4px 4px 4px 4px rgb(179, 255,  
216) }
```

Background

The CSS property to change the background color of an element to XYZ 66.7451, 86.0616, 78.0595 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 255, 216) }
```

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

```
.background{ background-color: rgb(179,  
255, 216) }
```

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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