

Converting Colors

XYZ(67.9527, 89.0951, 79.9982)

Have a look what the booklet for
XYZ(67.9527, 89.0951, 79.9982)
contains.

XYZ(66.3194, 85.8121, 79.3977)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(66.3194, 85.8121,
79.3977)**

Conversions

Conversions Part 1

Format	Color
Hex	B0FFDA
RGB	176, 255, 218
RGB Percent	69%, 100%, 85%
CMY	0.3098, 0.0000, 0.1451
CMYK	0.31, 0.00, 0.15, 0.00
HSL	152°, 100%, 85%
HSV	152°, 31%, 100%
XYZ	66.3194, 85.8121, 79.3977
YIQ	227.1610, -35.2070, -28.2550

Conversions

Conversions Part 2

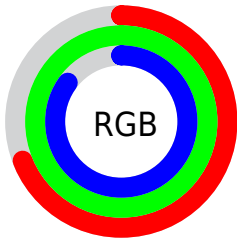
Format	Color
RYB	176, 228, 255
Decimal	11599834
CIELab	94.23, -31.66, 10.04
CIELCh	94, 33.214, 162.408
Yxy	85.8121, 0.2864, 0.3706
Android (android.graphics.Color)	4289789914 (0xFFB0FFDA)
YUV	227.1610, -4.5164, -44.8682
Hunter-Lab	92.6348, -34.3187, 14.0267

Details

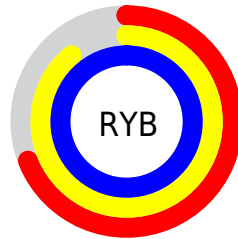
The XYZ color **66.3194, 85.8121, 79.3977** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **68.7760, 57.1157, 70.3504**, and the grayscale version is **73.1807, 76.9918, 83.8441**.

A 20% lighter version of the original color is **87.4143, 96.0636, 108.5427**, and **34.6901, 47.0975, 41.9127** is the 20% darker color. If you saturate the color by 10%, you get **59.5781, 82.5109, 71.2164**, and if you desaturate by 10%, it is **74.2578, 89.7173, 88.2256**.

Distribution



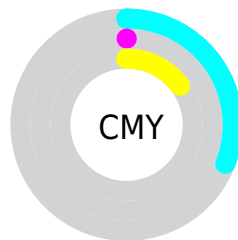
- Red (69%)
- Green (100%)
- Blue (85%)



- Red (69%)
- Yellow (89%)
- Blue (100%)



- Cyan (31%)
- Magenta (0%)
- Yellow (15%)
- Black (0%)





- Cyan (31%)
- Magenta (0%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 66.3194, 85.8121, 79.3977 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 66.3194, 85.8121, 79.3977 by changing the saturation by 10% instead.


 66.3194, 85.8121,
79.3977

 66.3194, 85.8121,
79.3977


436.9890,
514.3114, 512.5539

 48.8004, 64.5126,
58.6996


 112.9998,
141.5072, 134.3223

 34.6750, 47.0660,
41.9529


142.8920,
176.6717, 169.3859

 23.5780, 33.0878,
28.7391


177.6392,
217.2266, 210.0751

 15.1439, 22.1937,
18.6397

217.6068,
263.5563, 256.8085

 9.0074, 13.9993,
11.2361

263.1603,
316.0453, 310.0045

 4.8032, 8.1202,
6.1097

314.6649,

 2.1658, 4.1720,

375.0778, 370.0817

2.8420

372.4860,
441.0384, 437.4586

■ 0.7246, 1.7702,
1.0145

■ 0.0000, 0.4685,
0.0000

■ 66.3194, 85.8121,
79.3977

■ 66.3194, 85.8121,
79.3977

■ 59.5781, 82.5109,
71.2164

■ 74.2578, 89.7173,
88.2256

■ 53.9685, 79.7804,
63.6624

■ 83.4494, 94.2553,
97.7107

■ 49.4221, 77.5856,
56.7210

■ 93.9492, 99.4542,
107.8684

■ 45.8618, 75.8870,
50.3755

■ 95.0500, 100.0000,
108.9000

■ 43.1992, 74.6392,
44.6081

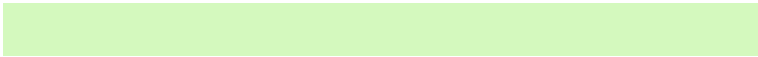
■ 41.3287, 73.7883,
39.3997

■ 40.1736, 73.2855,
35.1619

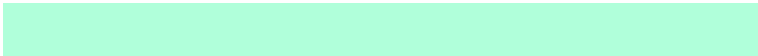
Harmonies

Analogous

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



70.5616, 85.8121, 61.7316



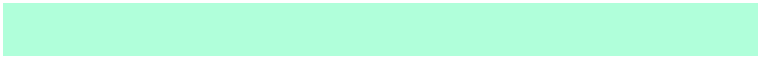
66.3194, 85.8121, 79.3977



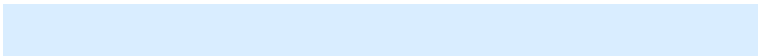
65.9712, 85.8121, 104.3611

Triad

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



66.3194, 85.8121, 79.3977



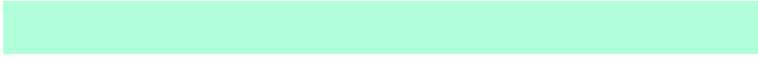
85.2927, 85.8121, 149.9073



94.8543, 85.8121, 64.1386

Complementary

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



66.3194, 85.8121, 79.3977



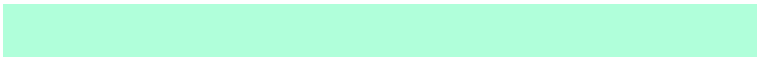
68.7760, 57.1157, 70.3504

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.



99.4334, 85.8121, 83.2991



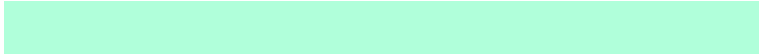
66.3194, 85.8121, 79.3977



93.6498, 85.8121, 134.4724

Square

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



66.3194, 85.8121, 79.3977



76.5007, 85.8121, 148.3414



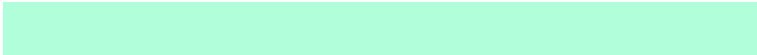
98.9772, 85.8121, 109.0359



86.8414, 85.8121, 54.0862

Rectangle

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



66.3194, 85.8121, 79.3977



67.9567, 85.8121, 122.2249



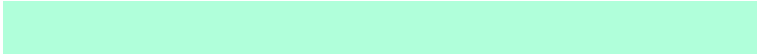
98.9772, 85.8121, 109.0359



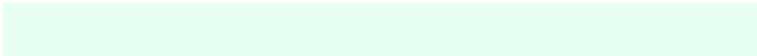
96.8715, 85.8121, 69.5628

Sweetspot

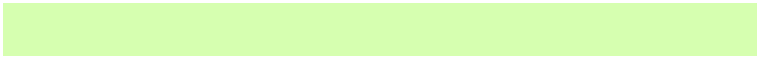
The Sweet Spot groups the original color and five complimentary colors.



66.3202, 85.8124, 79.3991



85.4223, 95.2311, 99.6676



71.3821, 88.9786, 54.4878



17.9724, 20.2293, 21.0245



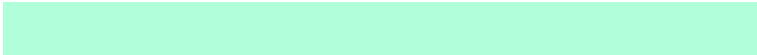
0.0000, 0.0000, 0.0000



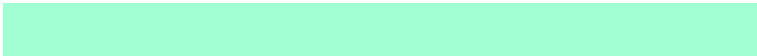
20.3446, 21.4041, 23.3091

Same Dimension

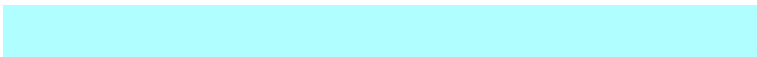
The Same Dimension uses a secret algorithm to generate beautiful new colors.



66.3202, 85.8124, 79.3991



62.1218, 83.7545, 74.3966



71.2964, 87.1332, 107.6684



18.1752, 20.3296, 21.2257



21.0678, 38.3237, 18.7741



2.1065, 3.7535, 2.1188

Inverse Universe

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



68.7760, 57.1157, 70.3504



64.9237, 51.0275, 64.0826



64.8619, 55.9651, 48.4592



18.3634, 18.1287, 20.5310



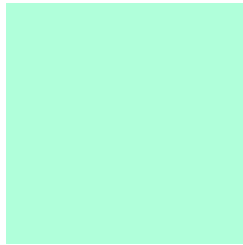
23.3760, 11.8397, 10.6305



2.3306, 1.1746, 1.3226

Previews

White Background



This preview shows how the XYZ color 66.3194, 85.8121, 79.3977 looks on a white background.

Color Contrast Check

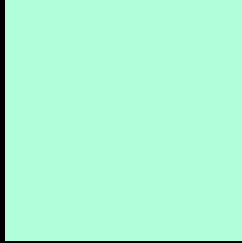
Large Text (above 18pt) WCAG AA × Fail

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 66.3194, 85.8121, 79.3977 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 66.3194, 85.8121, 79.3977

Background



This preview shows how black text looks on a background with the XYZ color 66.3194, 85.8121, 79.3977.

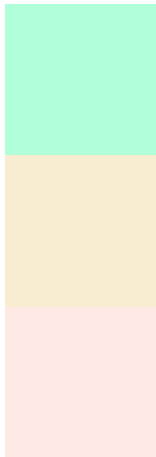


This preview shows how white text looks on a background with the XYZ color 66.3194, 85.8121,

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

66.3194, 85.8121, 79.3977

Protanopia

80.5042, 85.1283, 72.5100

Deuteranopia

84.5218, 85.1950, 86.1182



Tritanopia

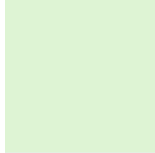
76.9646, 85.1701, 106.9907

Trichromacy



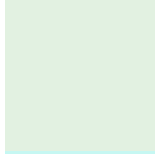
Original Color

66.3194, 85.8121, 79.3977



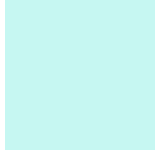
Protanomaly

74.3585, 84.9844, 74.7719



Deuteranomaly

76.4099, 84.5156, 83.5201



Tritanomaly

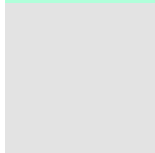
72.5765, 84.9381, 96.5739

Monochromacy



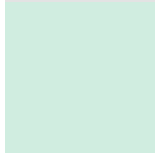
Original Color

66.3194, 85.8121, 79.3977



Achromatopsia

73.0128, 76.8151, 83.6517



Achromatomaly

69.7512, 79.3601, 82.1628

CSS Examples

Text

The CSS property to change the color of the text to XYZ 66.3194, 85.8121, 79.3977 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(176, 255, 218)` looks like.

```
.text, #text, p{  
    color:rgb(176, 255, 218)  
}
```

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(176, 255, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 255, 218) }
```

Border

The CSS property to change the border of an element to XYZ 66.3194, 85.8121, 79.3977 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(176, 255, 218) }
```


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

```
.border{ border-color:rgb(176, 255, 218) }
```

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

Here you see how a box with a 4 pixel rgb(176, 255, 218) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 255, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 255, 218);  
box-shadow:4px 4px 4px 4px rgb(176, 255,  
218) }
```

Background

The CSS property to change the background color of an element to XYZ 66.3194, 85.8121, 79.3977 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 255, 218) }
```

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

```
.background{ background-color: rgb(176,  
255, 218) }
```

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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