

Converting Colors

XYZ(66.7452, 81.9836, 93.9679)

Have a look what the booklet for
XYZ(66.7452, 81.9836, 93.9679)
contains.

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Color

**XYZ(66.7452, 81.9836,
93.9679)**

Conversions

Conversions Part 1

Format	Color
Hex	B0F7EF
RGB	176, 247, 239
RGB Percent	69%, 97%, 94%
CMY	0.3098, 0.0314, 0.0627
CMYK	0.29, 0.00, 0.03, 0.03
HSL	173°, 82%, 83%
HSV	173°, 29%, 97%
XYZ	66.7452, 81.9836, 93.9679
YIQ	224.8590, -39.7480, -17.5400

Conversions

Conversions Part 2

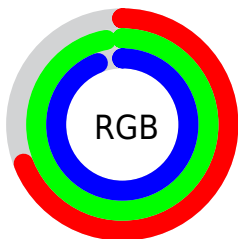
Format	Color
RYB	176, 214, 247
Decimal	11597807
CIELab	92.57, -23.54, -3.23
CIELCh	93, 23.761, 187.814
Yxy	81.9836, 0.2750, 0.3378
Android (android.graphics.Color)	4289787887 (0xFFB0F7EF)
YUV	224.8590, 6.9715, -42.8493
Hunter-Lab	90.5448, -26.8719, 1.8499

Details

The XYZ color **66.7452, 81.9836, 93.9679** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **62.5376, 54.2877, 52.5331**, and the grayscale version is **71.4406, 75.1611, 81.8504**.

A 20% lighter version of the original color is **87.4143, 96.0636, 108.5427**, and **34.8459, 44.3108, 51.5160** is the 20% darker color. If you saturate the color by 10%, you get **61.2528, 79.2014, 91.5818**, and if you desaturate by 10%, it is **73.2647, 85.2987, 96.4387**.

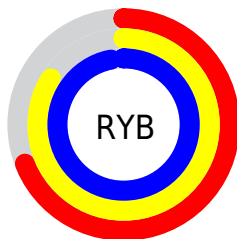
Distribution



Red (69%)

Green (97%)

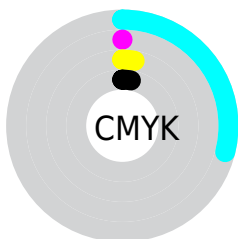
Blue (94%)



Red (69%)

Yellow (84%)

Blue (97%)

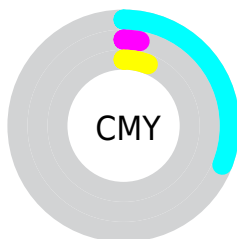


Cyan (29%)

Magenta (0%)

Yellow (3%)

Black (3%)



Cyan (31%)

Magenta (3%)

Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 66.7452, 81.9836, 93.9679 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 66.7452, 81.9836, 93.9679 by changing the saturation by 10% instead.

66.7452, 81.9836,
93.9679

66.7452, 81.9836,
93.9679

438.4840,
501.5928, 561.7552

49.1475, 61.3520,
70.6841

113.6070,
136.1510, 154.8212

34.9515, 44.5093,
51.6042

143.6019,
170.4556, 193.2279

23.7919, 31.0711,
36.3096

178.4599,
210.0867, 237.5125

15.3032, 20.6530,
24.3818

218.5464,
255.4286, 288.0938

9.1202, 12.8706,
15.4023

264.2267,
306.8658, 345.3901

4.8774, 7.3395,
8.9525

315.8661,

2.2095, 3.6753,

364.7826, 409.8201

4.6138

373.8301,
429.5635, 481.8023

■ 0.7477, 1.4936,
1.9678

■ 0.0000, 0.2843,
0.5353

■ 66.7452, 81.9836,
93.9679

■ 66.7452, 81.9836,
93.9679

■ 61.2528, 79.2014,
91.5818

■ 73.2647, 85.2987,
96.4387

■ 56.7254, 76.9139,
89.2720

■ 80.8554, 89.1632,
98.9911

■ 53.1048, 75.0931,
87.0374

■ 89.5671, 93.6049,
101.6293

■ 50.3239, 73.7045,
84.8748

■ 91.7792, 94.6952,
103.9968

■ 48.3060, 72.7085,
82.7804

■ 92.2194, 94.8713,
106.3151

■ 46.9603, 72.0583,
80.7498

■ 92.5522, 95.0044,
108.0674

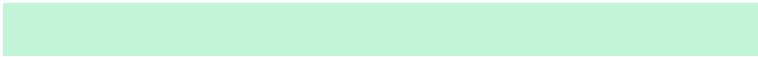
■ 46.1548, 71.6859,
78.7766

■ 46.0699, 71.6475,
78.5320

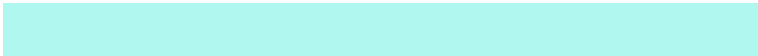
Harmonies

Analogous

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



67.4408, 81.9836, 77.0350



66.7452, 81.9836, 93.9679



68.9170, 81.9836, 111.7715

Triad

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



66.7452, 81.9836, 93.9679



85.4290, 81.9836, 118.9045



82.4916, 81.9836, 61.3443

Complementary

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



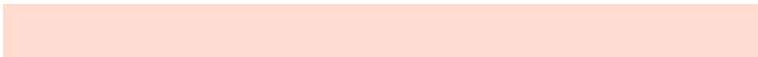
66.7452, 81.9836, 93.9679



62.5376, 54.2877, 52.5331

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.



87.6812, 81.9836, 70.0048



66.7452, 81.9836, 93.9679



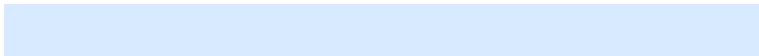
89.4385, 81.9836, 102.7280

Square

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



66.7452, 81.9836, 93.9679



79.5478, 81.9836, 127.3570



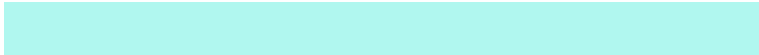
90.2838, 81.9836, 84.7240



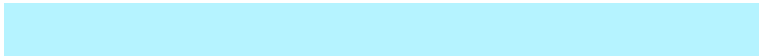
76.3204, 81.9836, 59.6460

Rectangle

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



66.7452, 81.9836, 93.9679



71.7698, 81.9836, 121.2370



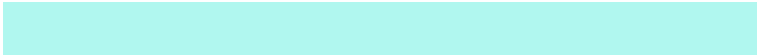
90.2838, 81.9836, 84.7240



84.4181, 81.9836, 63.4768

Sweetspot

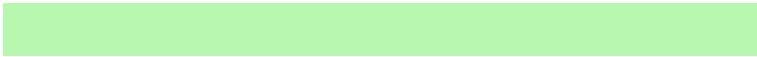
The Sweet Spot groups the original color and five complimentary colors.



66.7476, 81.9869, 93.9698



86.6912, 95.7387, 106.3494



60.9348, 79.8848, 53.2835



18.2861, 20.3548, 22.6764



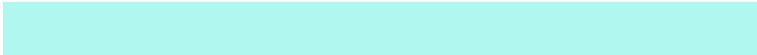
0.0000, 0.0000, 0.0000



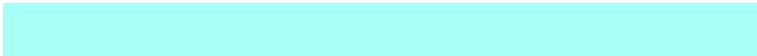
20.3446, 21.4041, 23.3091

Same Dimension

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



66.7476, 81.9869, 93.9698



68.4886, 86.4843, 99.6519



60.2318, 67.0209, 97.7612



16.9115, 18.7237, 20.8184



24.3974, 37.9038, 41.7079



2.1668, 3.3404, 3.7840

Inverse Universe

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



62.5376, 54.2877, 52.5331



63.3412, 52.5934, 48.9707



67.6041, 65.7257, 50.1990



16.5751, 16.5129, 17.5089



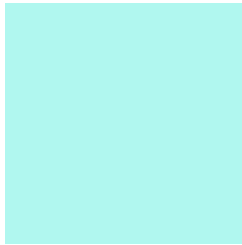
20.4214, 10.5120, 1.6613



1.8192, 0.9336, 0.2742

Previews

White Background



This preview shows how the XYZ color 66.7452, 81.9836, 93.9679 looks on a white background.

Color Contrast Check

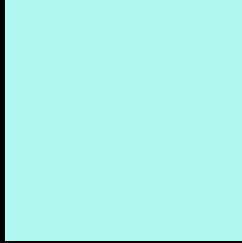
Large Text (above 18pt) WCAG AA × Fail

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 66.7452, 81.9836, 93.9679 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

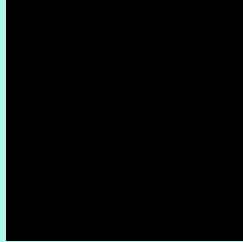
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 66.7452, 81.9836, 93.9679

Background



This preview shows how black text looks on a background with the XYZ color 66.7452, 81.9836, 93.9679.



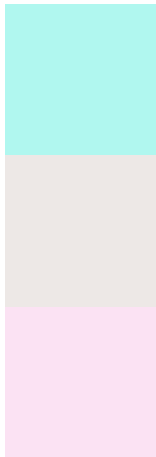
This preview shows how white text looks on a background with the XYZ color 66.7452, 81.9836,

93.9679.

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

66.7452, 81.9836, 93.9679

Protanopia

78.0646, 81.4309, 86.4662

Deuteranopia

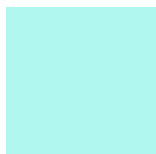
83.1577, 81.3730, 96.1177



Tritanopia

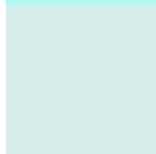
72.5313, 82.0009, 106.6127

Trichromacy



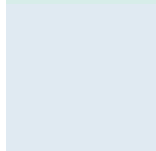
Original Color

66.7452, 81.9836, 93.9679



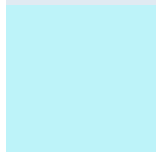
Protanomaly

73.0165, 80.8986, 88.8574



Deuteranomaly

76.1903, 81.1037, 95.6433



Tritanomaly

70.1357, 81.7596, 101.7072

Monochromacy



Original Color

66.7452, 81.9836, 93.9679



Achromatopsia

71.5672, 75.2942, 81.9954



Achromatomaly

69.1540, 77.2564, 86.1301

CSS Examples

Text

The CSS property to change the color of the text to XYZ 66.7452, 81.9836, 93.9679 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, 247, 239)` looks like.

```
.text, #text, p{  
    color:rgb(176, 247, 239)  
}
```

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, 247, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 247, 239) }
```

Border

The CSS property to change the border of an element to XYZ 66.7452, 81.9836, 93.9679 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, 247, 239) }
```


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

```
.border{ border-color:rgb(176, 247, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 247, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 247, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 247, 239);  
box-shadow:4px 4px 4px 4px rgb(176, 247,  
239) }
```

Background

The CSS property to change the background color of an element to XYZ 66.7452, 81.9836, 93.9679 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 247, 239) }
```

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

```
.background{ background-color: rgb(176,  
247, 239) }
```

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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