

# Converting Colors

XYZ(66.7297, 79.5417, 93.3133)

Have a look what the booklet for  
XYZ(66.7297, 79.5417, 93.3133)  
contains.

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# Color

**XYZ(66.8606, 79.8035,  
93.5411)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B7F2EF
RGB	183, 242, 239
RGB Percent	72%, 95%, 94%
CMY	0.2823, 0.0510, 0.0627
CMYK	0.24, 0.00, 0.01, 0.05
HSL	177°, 69%, 83%
HSV	177°, 24%, 95%
XYZ	66.8606, 79.8035, 93.5411
YIQ	224.0170, -34.2010, -13.4410

# Conversions

## Conversions Part 2

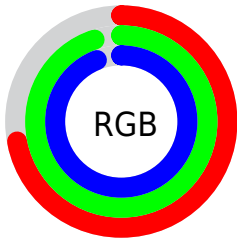
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	183, 213, 242
Decimal	12055279
CIE Lab	91.60, -19.10, -4.62
CIE LCh	92, 19.649, 193.586
Yxy	79.8035, 0.2783, 0.3322
Android (android.graphics.Color)	4290245359 (0xFFB7F2EF)
YUV	224.0170, 7.3866, -35.9719
Hunter-Lab	89.3328, -22.7352, 0.4499

# Details

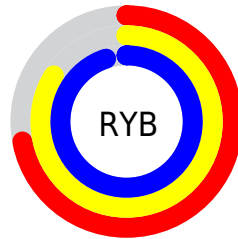
The XYZ color **66.8606, 79.8035, 93.5411** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **62.4172, 56.2917, 54.0333**, and the grayscale version is **70.8320, 74.5207, 81.1531**.

A 20% lighter version of the original color is **89.7452, 97.2653, 108.6517**, and **35.0082, 43.1259, 51.2787** is the 20% darker color. If you saturate the color by 10%, you get **61.4113, 77.0173, 92.3411**, and if you desaturate by 10%, it is **73.3054, 83.1069, 94.7976**.

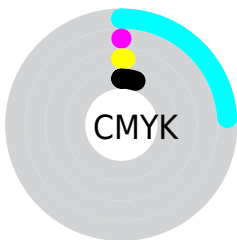
# Distribution



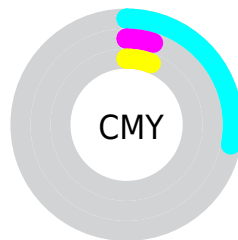
- Red (72%)
- Green (95%)
- Blue (94%)



- Red (72%)
- Yellow (84%)
- Blue (95%)



- Cyan (24%)
- Magenta (0%)
- Yellow (1%)
- Black (5%)




- Cyan (28%)
- Magenta (5%)
- Yellow (6%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 66.8606, 79.8035, 93.5411 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 66.8606, 79.8035, 93.5411 by changing the saturation by 10% instead.





 66.8606, 79.8035,  
93.5411

 66.8606, 79.8035,  
93.5411


438.8887,  
494.2704, 560.3484

 49.2416, 59.5567,  
70.3312

 113.7715,  
133.0894, 154.2257

 35.0265, 43.0614,  
51.3181

143.7942,  
166.8973, 192.5375

 23.8499, 29.9333,  
36.0833


178.6822,  
205.9943, 236.7203

 15.3465, 19.7880,  
24.2084

218.8008,  
250.7649, 287.1926

 9.1508, 12.2410,  
15.2746

264.5154,  
301.5934, 344.3731

 4.8976, 6.9080,  
8.8636

316.1913,

 2.2214, 3.4047,

358.8642, 408.6802

4.5567

374.1940,  
422.9617, 480.5324

■ 0.7540, 1.3465,  
1.9355

■ 0.0000, 0.1768,  
0.5152

■ 66.8606, 79.8035,  
93.5411

■ 66.8606, 79.8035,  
93.5411

■ 61.4113, 77.0173,  
92.3411

■ 73.3054, 83.1069,  
94.7976

■ 56.9000, 74.7124,  
91.1897

■ 80.7858, 86.9419,  
96.1074

■ 53.2738, 72.8637,  
90.0861

■ 89.1254, 91.2197,  
97.4639

■ 50.4719, 71.4398,  
89.0276

■ 89.3118, 91.2943,  
98.4453

48.4258, 70.4054,  
88.0109

89.4994, 91.3693,  
99.4333

47.0559, 69.7194,  
87.0322

89.6883, 91.4449,  
100.4279

46.2648, 69.3317,  
86.0871

89.8784, 91.5209,  
101.4291

45.9926, 69.2026,  
85.5668

90.0698, 91.5975,  
102.4369

90.2624, 91.6746,  
103.4514

# Harmonies

## Analogous

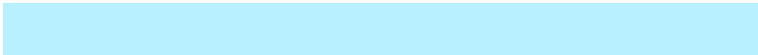
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



66.9738, 79.8035, 79.3219



66.8606, 79.8035, 93.5411



69.0799, 79.8035, 107.3520

# Triad

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



66.8606, 79.8035, 93.5411



82.6936, 79.8035, 108.4648



78.6077, 79.8035, 63.0074

# Complementary

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



66.8606, 79.8035, 93.5411



62.4172, 56.2917, 54.0333

# 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.



83.0503, 79.8035, 69.2130



66.8606, 79.8035, 93.5411



85.4795, 79.8035, 94.9300

# Square

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



66.8606, 79.8035, 93.5411



78.1381, 79.8035, 116.5876



85.6129, 79.8035, 80.5665



73.6086, 79.8035, 62.7232

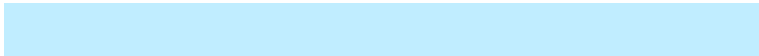


# Rectangle

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



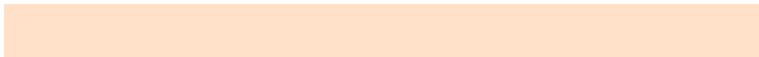
66.8606, 79.8035, 93.5411



71.6426, 79.8035, 114.0400



85.6129, 79.8035, 80.5665



80.2208, 79.8035, 64.4362

# Sweetspot

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



66.8629, 79.8067, 93.5429



88.6392, 96.7120, 107.8383



60.7790, 77.4828, 56.5537



18.8601, 20.6428, 23.0626



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.



66.8629, 79.8067, 93.5429



72.2777, 88.3298, 104.7022



60.2249, 65.8148, 93.5373



16.2106, 17.9143, 20.1318



24.7225, 37.1810, 46.0490



2.0673, 3.0974, 3.8867



# Inverse Universe

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



62.4172, 56.2917, 54.0333



66.5113, 57.8230, 53.4513



67.8623, 67.6875, 54.2897



15.8054, 15.7719, 16.5315



19.7227, 10.1615, 1.1902

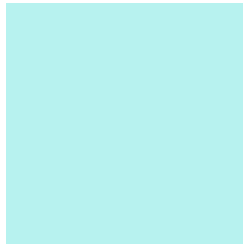


1.6521, 0.8499, 0.1590



# Previews

## White Background



This preview shows how the XYZ color 66.8606, 79.8035, 93.5411 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

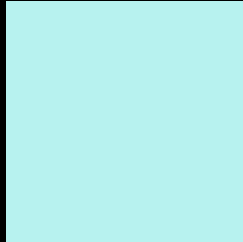
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 66.8606, 79.8035, 93.5411 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

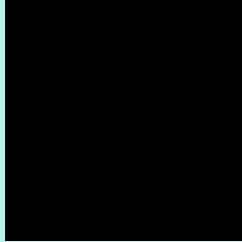
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

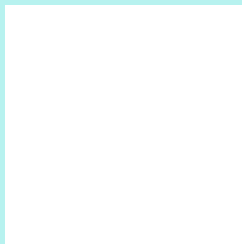
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 66.8606, 79.8035, 93.5411**

## **Background**



This preview shows how black text looks on a background with the XYZ color 66.8606, 79.8035, 93.5411.



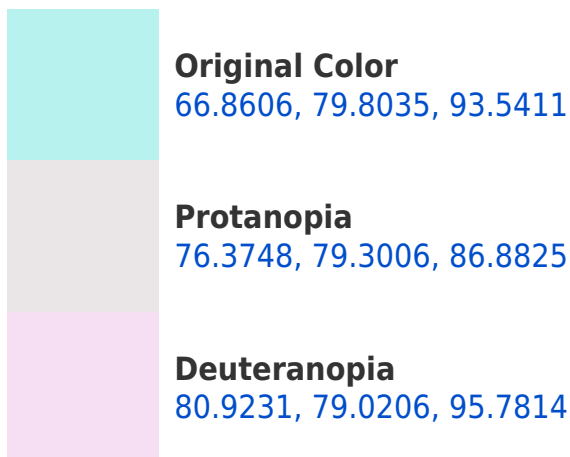
This preview shows how white text looks on a background with the XYZ color 66.8606, 79.8035,



# 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





## Tritanopia

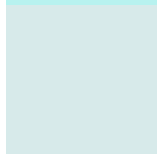
70.6169, 79.7065, 106.2707

# Trichromacy



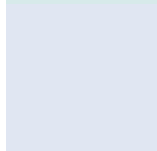
## Original Color

66.8606, 79.8035, 93.5411



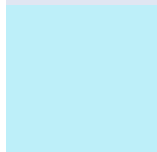
## Protanomaly

72.2984, 79.2332, 89.3249



## Deuteranomaly

75.0643, 78.8517, 95.2680



## Tritanomaly

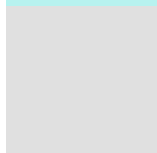
68.9517, 79.3914, 101.3125

# Monochromacy



## Original Color

66.8606, 79.8035, 93.5411



## Achromatopsia

70.8507, 74.5404, 81.1745



## Achromatomaly

69.0133, 76.3643, 85.2311

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 66.8606, 79.8035, 93.5411 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(183, 242, 239)` looks like.

```
.text, #text, p{  
    color:rgb(183, 242, 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(183, 242, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 242, 239) }
```

## Border

The CSS property to change the border of an element to XYZ 66.8606, 79.8035, 93.5411 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(183, 242, 239) }
```



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

```
.border{ border-color:rgb(183, 242, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 242, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 242, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 242, 239);  
box-shadow:4px 4px 4px 4px rgb(183, 242,  
239) }
```

# Background

The CSS property to change the background color of an element to XYZ 66.8606, 79.8035, 93.5411 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 242, 239) }
```

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

```
.background{ background-color: rgb(183,  
242, 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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