

Converting Colors

XYZ(66.5352, 83.7226, 87.9237)

Have a look what the booklet for
XYZ(66.5352, 83.7226, 87.9237)
contains.

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Color

**XYZ(66.6002, 83.8778,
88.2811)**

Conversions

Conversions Part 1

Format	Color
Hex	AFFBE7
RGB	175, 251, 231
RGB Percent	69%, 98%, 91%
CMY	0.3137, 0.0157, 0.0941
CMYK	0.30, 0.00, 0.08, 0.02
HSL	164°, 90%, 84%
HSV	164°, 30%, 98%
XYZ	66.6002, 83.8778, 88.2811
YIQ	225.9960, -38.8760, -22.3320

Conversions

Conversions Part 2

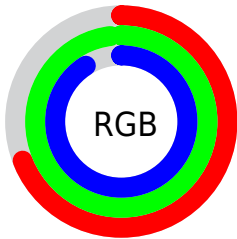
Format	Color
RYB	175, 219, 251
Decimal	11533287
CIELab	93.40, -27.44, 2.12
CIELCh	93, 27.521, 175.578
Yxy	83.8778, 0.2789, 0.3513
Android (android.graphics.Color)	4289723367 (0xFFAFFBE7)
YUV	225.9960, 2.4670, -44.7235
Hunter-Lab	91.5848, -30.4688, 6.9581

Details

The XYZ color **66.6002, 83.8778, 88.2811** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **64.9669, 55.1116, 58.8467**, and the grayscale version is **72.2906, 76.0554, 82.8243**.

A 20% lighter version of the original color is **87.0887, 95.8958, 108.5274**, and **34.7754, 45.6718, 47.5401** is the 20% darker color. If you saturate the color by 10%, you get **60.5667, 80.8754, 83.2209**, and if you desaturate by 10%, it is **73.7208, 87.4409, 93.5796**.

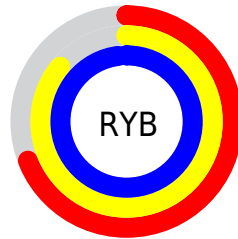
Distribution



Red (69%)

Green (98%)

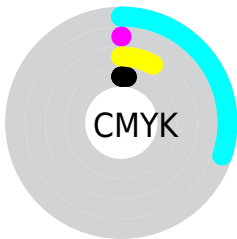
Blue (91%)



Red (69%)

Yellow (86%)

Blue (98%)

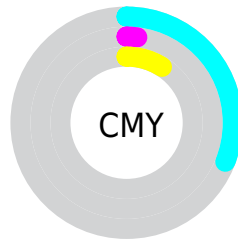


Cyan (30%)

Magenta (0%)

Yellow (8%)

Black (2%)



Cyan (31%)


Magenta (2%)


Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 66.6002, 83.8778, 88.2811 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 66.6002, 83.8778, 88.2811 by changing the saturation by 10% instead.


 66.6002, 83.8778,
88.2811

 66.6002, 83.8778,
88.2811


437.9752,
507.9074, 542.8485

 49.0293, 62.9146,
65.9902


 113.4003,
138.8042, 146.8630

 34.8573, 45.7721,
47.8080


143.3602,
173.5362, 183.9912

 23.7190, 32.0660,
33.3160


178.1805,
213.6265, 226.9021

 15.2489, 21.4119,
22.0955

218.2266,
259.4596, 276.0145

 9.0817, 13.4254,
13.7281

263.8637,
311.4198, 331.7468

 4.8521, 7.7222,
7.7952

315.4573,

 2.1946, 3.9177,

369.8916, 394.5175

3.8783

373.3727,
435.2593, 464.7452

■ 0.7399, 1.6276,
1.5588

■ 0.0000, 0.3761,
0.2612

■ 66.6002, 83.8778,
88.2811

■ 66.6002, 83.8778,
88.2811

■ 60.5667, 80.8754,
83.2209

■ 73.7208, 87.4409,
93.5796

■ 55.5546, 78.3933,
78.3887

■ 81.9753, 91.5823,
99.1152

■ 51.5021, 76.4020,
73.7811

■ 91.4164, 96.3313,
104.8940

■ 48.3376, 74.8645,
69.3929

■ 93.7886, 97.4773,
108.4795

■ 45.9792, 73.7386,
65.2181

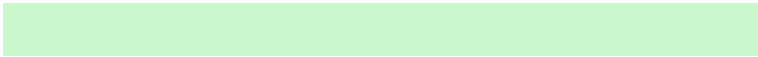
■ 44.3291, 72.9741,
61.2499

■ 43.2496, 72.4976,
57.5812

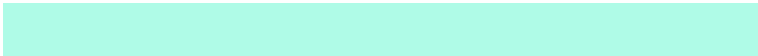
Harmonies

Analogous

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



68.7542, 83.8778, 70.5431



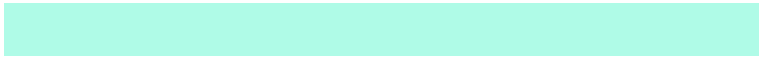
66.6002, 83.8778, 88.2811



67.7837, 83.8778, 109.6986

Triad

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



66.6002, 83.8778, 88.2811



85.9031, 83.8778, 132.3417



87.8772, 83.8778, 62.1615

Complementary

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



66.6002, 83.8778, 88.2811



64.9669, 55.1116, 58.8467

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.



92.9886, 83.8778, 75.1333



66.6002, 83.8778, 88.2811



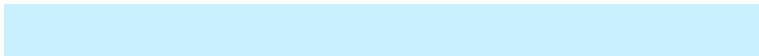
91.8012, 83.8778, 115.8420

Square

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



66.6002, 83.8778, 88.2811



78.6520, 83.8778, 137.2662



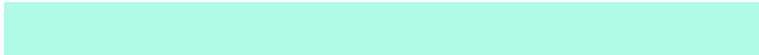
94.4662, 83.8778, 94.4456



80.8044, 83.8778, 56.9878

Rectangle

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



66.6002, 83.8778, 88.2811



70.3468, 83.8778, 122.9593



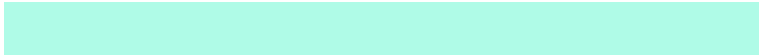
94.4662, 83.8778, 94.4456



89.8981, 83.8778, 65.6488

Sweetspot

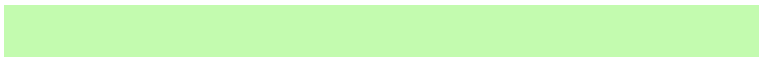
The Sweet Spot groups the original color and five complimentary colors.



66.6026, 83.8812, 88.2830



86.1476, 95.5212, 103.4866



64.8123, 83.7307, 53.3047



18.1514, 20.3009, 21.9672



0.0000, 0.0000, 0.0000



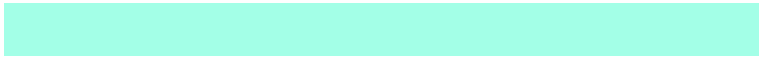
20.3446, 21.4041, 23.3091

Same Dimension

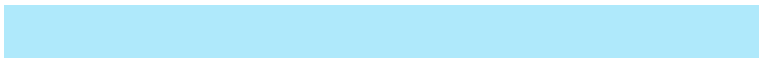
The Same Dimension uses a secret algorithm to generate beautiful new colors.



66.6026, 83.8812, 88.2830



65.3063, 85.0881, 88.4639



64.3089, 74.5110, 102.2633



17.5593, 19.5260, 21.1460



22.7960, 38.1314, 30.5985



2.1549, 3.5491, 3.0635

Inverse Universe

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



64.9669, 55.1116, 58.8467



63.3811, 51.1288, 53.7448



66.5353, 61.6290, 48.9478



17.4321, 17.3002, 18.8654



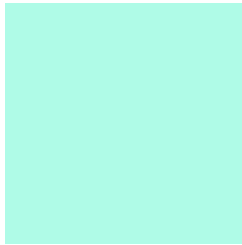
21.4804, 11.0079, 3.9723



2.0311, 1.0362, 0.5874

Previews

White Background



This preview shows how the XYZ color 66.6002, 83.8778, 88.2811 looks on a white background.

Color Contrast Check

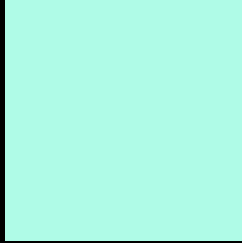
Large Text (above 18pt) WCAG AA × Fail

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 66.6002, 83.8778, 88.2811 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

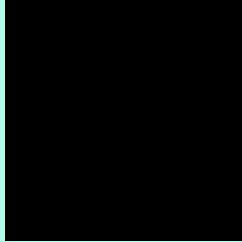
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

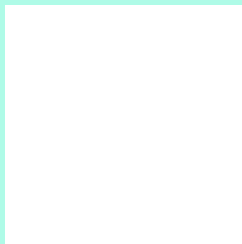
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 66.6002, 83.8778, 88.2811

Background



This preview shows how black text looks on a background with the XYZ color 66.6002, 83.8778, 88.2811.

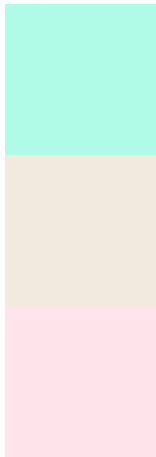


This preview shows how white text looks on a background with the XYZ color 66.6002, 83.8778,

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

66.6002, 83.8778, 88.2811

Protanopia

79.2256, 82.9968, 80.9516

Deuteranopia

84.1237, 82.8029, 90.9056



Tritanopia

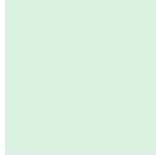
74.7040, 83.5616, 106.7994

Trichromacy



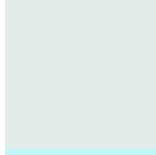
Original Color

66.6002, 83.8778, 88.2811



Protanomaly

73.6641, 82.6618, 83.3070



Deuteranomaly

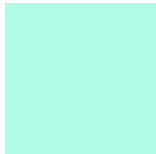
76.2108, 82.1002, 89.6721



Tritanomaly

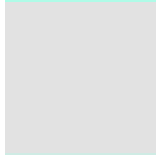
71.2793, 83.2961, 99.5097

Monochromacy



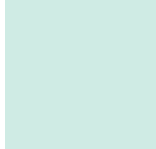
Original Color

66.6002, 83.8778, 88.2811



Achromatopsia

72.2879, 76.0525, 82.8211



Achromatomaly

69.4440, 78.2835, 84.8489

CSS Examples

Text

The CSS property to change the color of the text to XYZ 66.6002, 83.8778, 88.2811 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(175, 251, 231)` looks like.

```
.text, #text, p{  
    color:rgb(175, 251, 231)  
}
```

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(175, 251, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 251, 231) }
```

Border

The CSS property to change the border of an element to XYZ 66.6002, 83.8778, 88.2811 is called "border". The border property can be set on classes, ids or directly on the HTML element.

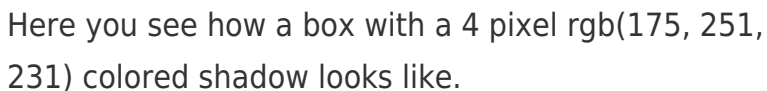
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(175, 251, 231) }
```


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

```
.border{ border-color:rgb(175, 251, 231) }
```

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



Here you see how a box with a 4 pixel `rgb(175, 251, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(175, 251, 231); -webkit-box-shadow:4px 4px 4px 4px rgb(175, 251, 231); box-shadow:4px 4px 4px 4px rgb(175, 251, 231) }
```

Background

The CSS property to change the background color of an element to XYZ 66.6002, 83.8778, 88.2811 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 251, 231) }
```

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

```
.background{ background-color: rgb(175,  
251, 231) }
```

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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