

Converting Colors

XYZ(66.8753, 85.3728, 90.8043)

Have a look what the booklet for
XYZ(66.8753, 85.3728, 90.8043)
contains.

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Color

**XYZ(66.8707, 85.3702,
90.7955)**

Conversions

Conversions Part 1

Format	Color
Hex	AAFEEA
RGB	170, 254, 234
RGB Percent	67%, 100%, 92%
CMY	0.3333, 0.0039, 0.0823
CMYK	0.33, 0.00, 0.08, 0.00
HSL	166°, 98%, 83%
HSV	166°, 33%, 100%
XYZ	66.8707, 85.3702, 90.7955
YIQ	226.6040, -43.6440, -24.0280

Conversions

Conversions Part 2

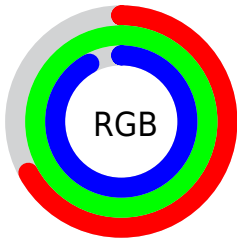
Format	Color
RYB	170, 218, 254
Decimal	11206378
CIELab	94.04, -29.62, 1.48
CIELCh	94, 29.656, 177.140
Yxy	85.3702, 0.2751, 0.3513
Android (android.graphics.Color)	4289396458 (0xFFAAFEEA)
YUV	226.6040, 3.6462, -49.6417
Hunter-Lab	92.3960, -32.5054, 6.4142

Details

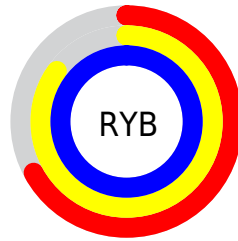
The XYZ color **66.8707, 85.3702, 90.7955** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **64.5451, 53.5404, 55.6512**, and the grayscale version is **72.7252, 76.5125, 83.3222**.

A 20% lighter version of the original color is **85.4886, 95.0709, 108.4525**, and **34.9416, 46.7243, 49.2966** is the 20% darker color. If you saturate the color by 10%, you get **61.0476, 82.4692, 86.0654**, and if you desaturate by 10%, it is **73.7891, 88.8368, 95.7354**.

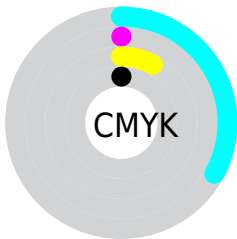
Distribution



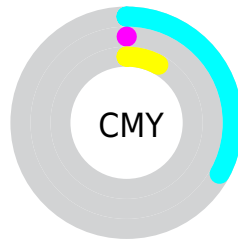
- Red (67%)
- Green (100%)
- Blue (92%)



- Red (67%)
- Yellow (85%)
- Blue (100%)



- Cyan (33%)
- Magenta (0%)
- Yellow (8%)
- Black (0%)




- Cyan (33%)
- Magenta (0%)
- Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 66.8707, 85.3702, 90.7955 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 66.8707, 85.3702, 90.7955 by changing the saturation by 10% instead.


 66.8707, 85.3702,
90.7955

 66.8707, 85.3702,
90.7955

438.9241,
512.8522, 551.2519

 49.2499, 64.1473,
68.0632


 113.7859,
140.8903, 150.3880

 35.0331, 46.7700,
49.4821


143.8111,
175.9563, 188.0854

 23.8550, 32.8539,
34.6338


178.7016,
216.4054, 231.6081

 15.3502, 22.0145,
23.0996

218.8231,
262.6221, 281.3748

 9.1535, 13.8676,
14.4611

264.5407,
314.9907, 337.8040

 4.8993, 8.0286,
8.2997

316.2198,

 2.2225, 4.1133,

373.8957, 401.3142

4.1968

374.2258,
439.7214, 472.3240

■ 0.7545, 1.7371,
1.7339

■ 0.0000, 0.4475,
0.3838

■ 66.8707, 85.3702,
90.7955

■ 66.8707, 85.3702,
90.7955

■ 61.0476, 82.4692,
86.0654

■ 73.7891, 88.8368,
95.7354

■ 56.2509, 80.0917,
81.5349

■ 81.8523, 92.8880,
100.8834

■ 52.4152, 78.2063,
77.2011

■ 91.1152, 97.5541,
106.2455

■ 49.4642, 76.7736,
73.0590

■ 94.7333, 99.3666,
108.7944

■ 47.3098, 75.7483,
69.1029

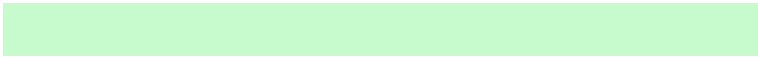
■ 45.8451, 75.0753,
65.3260

■ 45.1270, 74.7601,
62.8083

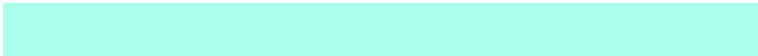
Harmonies

Analogous

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



69.0171, 85.3702, 71.2525



66.8707, 85.3702, 90.7955



68.3376, 85.3702, 114.2880

Triad

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



66.8707, 85.3702, 90.7955



88.2843, 85.3702, 137.3875



89.6831, 85.3702, 60.9371

Complementary

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



66.8707, 85.3702, 90.7955



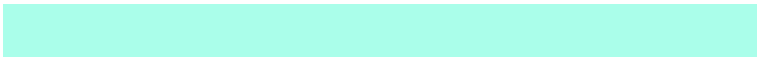
64.5451, 53.5404, 55.6512

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.



95.4531, 85.3702, 74.4547



66.8707, 85.3702, 90.7955



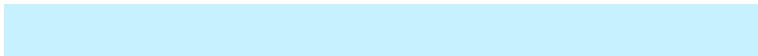
94.6093, 85.3702, 118.6664

Square

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



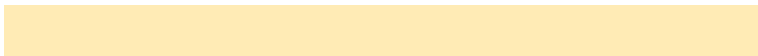
66.8707, 85.3702, 90.7955



80.3847, 85.3702, 143.6365



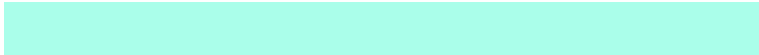
97.3113, 85.3702, 95.1457



81.9037, 85.3702, 55.8628

Rectangle

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



66.8707, 85.3702, 90.7955



71.2233, 85.3702, 128.7044



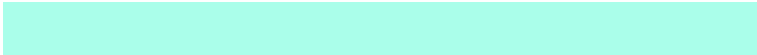
97.3113, 85.3702, 95.1457



91.9408, 85.3702, 64.5242

Sweetspot

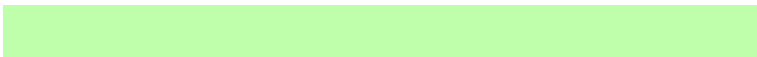
The Sweet Spot groups the original color and five complimentary colors.



66.8731, 85.3737, 90.7974



85.3205, 95.0954, 103.4219



64.1861, 84.8659, 51.0296



17.9907, 20.2177, 21.9755



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

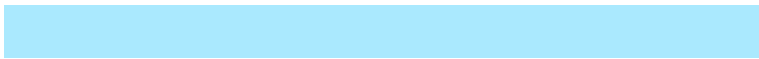
The Same Dimension uses a secret algorithm to generate beautiful new colors.



66.8731, 85.3737, 90.7974



63.2799, 84.0455, 88.2748



63.6086, 73.9828, 104.6975



18.3590, 20.4031, 22.1935



23.8510, 39.4370, 33.4304



2.3647, 3.8568, 3.4781

Inverse Universe

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



64.5451, 53.5404, 55.6512



60.5959, 47.2283, 47.6683



66.7624, 61.2373, 46.3330



18.1866, 18.0580, 19.6000



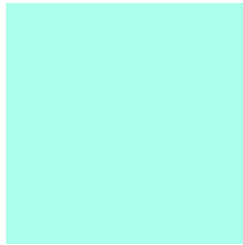
22.0329, 11.3025, 3.5580



2.1856, 1.1166, 0.5590

Previews

White Background



This preview shows how the XYZ color 66.8707, 85.3702, 90.7955 looks on a white background.

Color Contrast Check

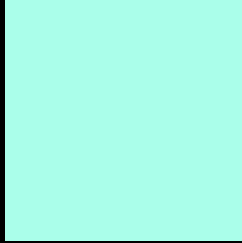
Large Text (above 18pt) WCAG AA × Fail

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 66.8707, 85.3702, 90.7955 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

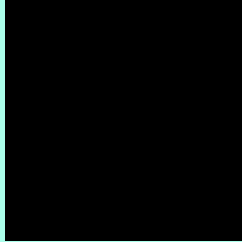
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

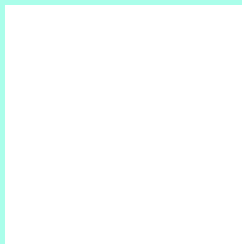
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 66.8707, 85.3702, 90.7955

Background



This preview shows how black text looks on a background with the XYZ color 66.8707, 85.3702, 90.7955.



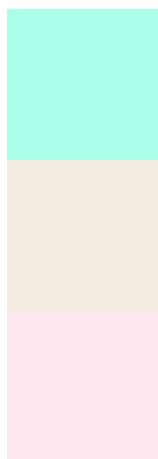
This preview shows how white text looks on a background with the XYZ color 66.8707, 85.3702,

90.7955.

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

66.8707, 85.3702, 90.7955

Protanopia

80.7582, 84.6058, 82.5952

Deuteranopia

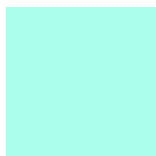
85.3959, 84.6438, 93.4984



Tritanopia

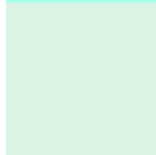
76.1328, 85.1868, 107.0378

Trichromacy



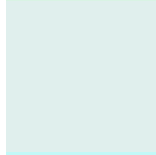
Original Color

66.8707, 85.3702, 90.7955



Protanomaly

74.6695, 84.4543, 85.7646



Deuteranomaly

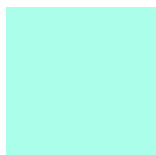
76.8930, 83.6947, 92.2228



Tritanomaly

72.6040, 85.3195, 100.6374

Monochromacy



Original Color

66.8707, 85.3702, 90.7955



Achromatopsia

73.0128, 76.8151, 83.6517



Achromatomaly

70.0207, 79.4034, 86.4988

CSS Examples

Text

The CSS property to change the color of the text to XYZ 66.8707, 85.3702, 90.7955 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(170, 254, 234)` looks like.

```
.text, #text, p{  
    color:rgb(170, 254, 234)  
}
```

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(170, 254, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 254, 234) }
```

Border

The CSS property to change the border of an element to XYZ 66.8707, 85.3702, 90.7955 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(170, 254, 234) }
```


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

```
.border{ border-color:rgb(170, 254, 234) }
```

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

Here you see how a box with a 4 pixel rgb(170, 254, 234) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 254, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 254, 234);  
box-shadow:4px 4px 4px 4px rgb(170, 254,  
234) }
```

Background

The CSS property to change the background color of an element to XYZ 66.8707, 85.3702, 90.7955 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 254, 234) }
```

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

```
.background{ background-color: rgb(170,  
254, 234) }
```

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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