

Converting Colors

XYZ(66.6338, 85.7842, 87.9549)

Have a look what the booklet for
XYZ(66.6338, 85.7842, 87.9549)
contains.

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Color

**XYZ(66.6205, 85.7792,
87.9087)**

Conversions

Conversions Part 1

Format	Color
Hex	AAFFE6
RGB	170, 255, 230
RGB Percent	67%, 100%, 90%
CMY	0.3333, 0.0000, 0.0980
CMYK	0.33, 0.00, 0.10, 0.00
HSL	162°, 100%, 83%
HSV	162°, 33%, 100%
XYZ	66.6205, 85.7792, 87.9087
YIQ	226.7350, -42.6350, -25.7950

Conversions

Conversions Part 2

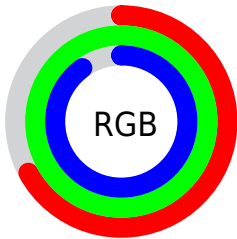
Format	Color
RYB	170, 220, 255
Decimal	11206630
CIELab	94.22, -30.93, 3.80
CIELCh	94, 31.163, 172.998
Yxy	85.7792, 0.2772, 0.3570
Android (android.graphics.Color)	4289396710 (0xFFAAFFE6)
YUV	226.7350, 1.6096, -49.7566
Hunter-Lab	92.6171, -33.6828, 8.5561

Details

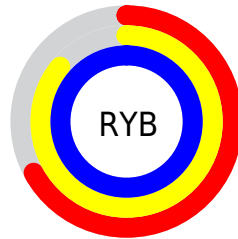
The XYZ color **66.6205, 85.7792, 87.9087** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **65.4657, 53.9507, 58.5935**, and the grayscale version is **72.8319, 76.6249, 83.4445**.

A 20% lighter version of the original color is **85.4886, 95.0709, 108.4525**, and **34.8714, 47.0607, 47.8032** is the 20% darker color. If you saturate the color by 10%, you get **60.6019, 82.7956, 82.2478**, and if you desaturate by 10%, it is **73.7553, 89.3330, 93.8612**.

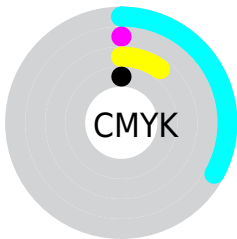
Distribution



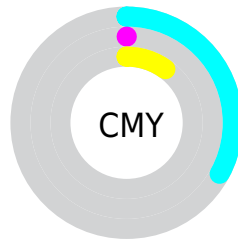
- Red (67%)
- Green (100%)
- Blue (90%)



- Red (67%)
- Yellow (86%)
- Blue (100%)



- Cyan (33%)
- Magenta (0%)
- Yellow (10%)
- Black (0%)





- Cyan (33%)
- Magenta (0%)
- Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 66.6205, 85.7792, 87.9087 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 66.6205, 85.7792, 87.9087 by changing the saturation by 10% instead.


 66.6205, 85.7792,
87.9087

 66.6205, 85.7792,
87.9087


438.0465,
514.2029, 541.5978

 49.0458, 64.4854,
65.6836


 113.4293,
141.4613, 146.3401

 34.8705, 47.0439,
47.5607


143.3941,
176.6184, 183.3834

 23.7292, 33.0704,
33.1216

178.2197,
217.1655, 226.2031

 15.2565, 22.1804,
21.9477

218.2714,
263.4868, 275.2179

 9.0871, 13.9895,
13.6206

263.9145,
315.9668, 330.8462

 4.8556, 8.1134,
7.7215

315.5145,

 2.1967, 4.1676,

374.9899, 393.5066

3.8321

373.4367,
440.9404, 463.6176

0.7410, 1.7677,
1.5337

0.0000, 0.4669,
0.2428

66.6205, 85.7792,
87.9087

66.6205, 85.7792,
87.9087

60.6019, 82.7956,
82.2478

73.7553, 89.3330,
93.8612

55.6342, 80.3486,
76.8683

82.0613, 93.4853,
100.1066

51.6494, 78.4031,
71.7655

91.5929, 98.2640,
106.6516

48.5698, 76.9193,
66.9326

95.0500, 100.0000,
108.9000

■ 46.3059, 75.8510,
62.3623

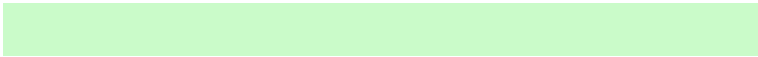
■ 44.7486, 75.1421,
58.0465

■ 43.9985, 74.8154,
55.3036

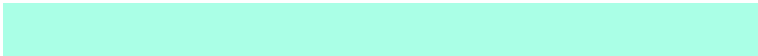
Harmonies

Analogous

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



69.3771, 85.7792, 68.3844



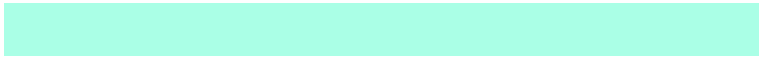
66.6205, 85.7792, 87.9087



67.6356, 85.7792, 112.5257

Triad

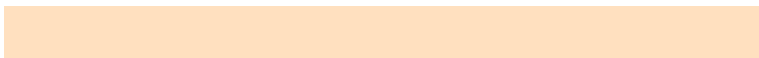
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



66.6205, 85.7792, 87.9087



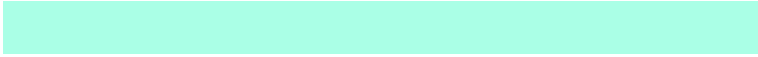
87.9609, 85.7792, 142.4019



91.5728, 85.7792, 61.2996

Complementary

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



66.6205, 85.7792, 87.9087



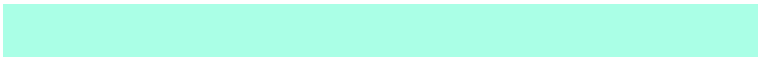
65.4657, 53.9507, 58.5935

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.



97.2091, 85.7792, 76.5726



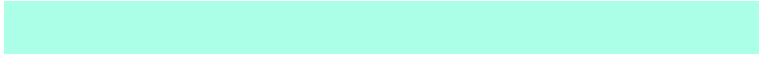
66.6205, 85.7792, 87.9087



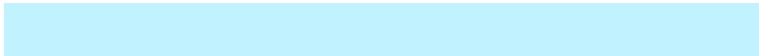
95.0264, 85.7792, 123.8722

Square

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



66.6205, 85.7792, 87.9087



79.5903, 85.7792, 146.8308



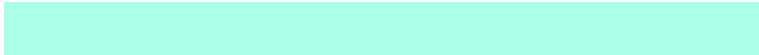
98.5141, 85.7792, 99.1132



83.5021, 85.7792, 54.8132

Rectangle

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



66.6205, 85.7792, 87.9087



70.3503, 85.7792, 128.3697



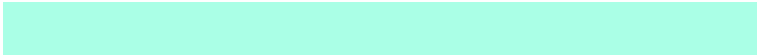
98.5141, 85.7792, 99.1132



93.8368, 85.7792, 65.4370

Sweetspot

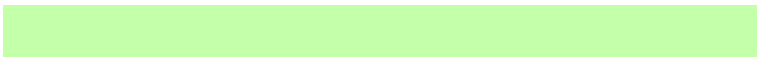
The Sweet Spot groups the original color and five complimentary colors.



66.6214, 85.7797, 87.9101



85.0987, 95.0067, 102.2540



65.6516, 86.0915, 51.1888



17.9368, 20.1962, 21.6918



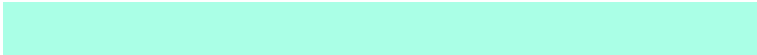
0.0000, 0.0000, 0.0000



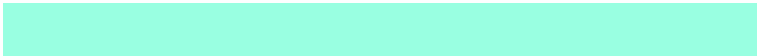
20.3446, 21.4041, 23.3091

Same Dimension

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



66.6214, 85.7797, 87.9101



62.4877, 83.7286, 84.1029



65.2029, 76.9158, 106.0174



18.3138, 20.3851, 21.9555



23.0587, 39.1201, 29.2582



2.2930, 3.8281, 3.1008

Inverse Universe

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



65.4657, 53.9507, 58.5935



61.1783, 47.4613, 50.7355



66.2668, 59.7040, 46.0631



18.2291, 18.0750, 19.8237



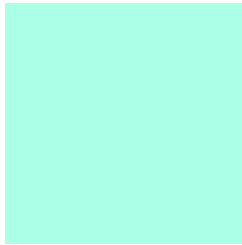
22.2687, 11.3968, 4.7993



2.2135, 1.1278, 0.7059

Previews

White Background



This preview shows how the XYZ color 66.6205, 85.7792, 87.9087 looks on a white background.

Color Contrast Check

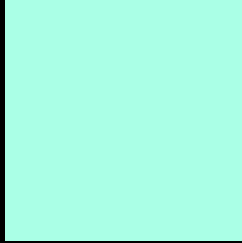
Large Text (above 18pt) WCAG AA × Fail

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 66.6205, 85.7792, 87.9087 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

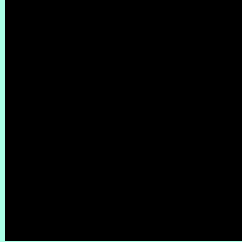
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

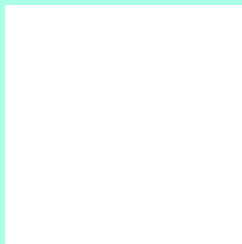
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 66.6205, 85.7792, 87.9087

Background



This preview shows how black text looks on a background with the XYZ color 66.6205, 85.7792, 87.9087.

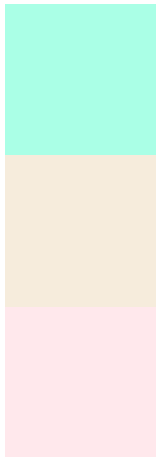


This preview shows how white text looks on a background with the XYZ color 66.6205, 85.7792,

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

66.6205, 85.7792, 87.9087

Protanopia

80.9198, 84.7510, 79.8038

Deuteranopia

85.2369, 85.0294, 91.2767



Tritanopia

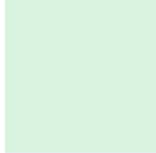
76.6952, 85.4767, 107.0641

Trichromacy



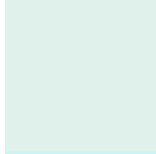
Original Color

66.6205, 85.7792, 87.9087



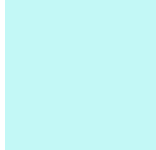
Protanomaly

74.4186, 84.3884, 82.8873



Deuteranomaly

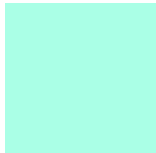
76.7518, 84.1080, 90.0311



Tritanomaly

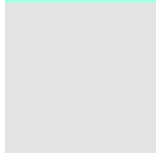
72.7076, 85.3907, 99.8387

Monochromacy



Original Color

66.6205, 85.7792, 87.9087



Achromatopsia

73.0128, 76.8151, 83.6517



Achromatomaly

69.7414, 79.2916, 85.0278

CSS Examples

Text

The CSS property to change the color of the text to XYZ 66.6205, 85.7792, 87.9087 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, 255, 230)` looks like.

```
.text, #text, p{  
    color:rgb(170, 255, 230)  
}
```

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, 255, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 255, 230) }
```

Border

The CSS property to change the border of an element to XYZ 66.6205, 85.7792, 87.9087 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, 255, 230) }
```


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

```
.border{ border-color:rgb(170, 255, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 255, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 255, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 255, 230);  
box-shadow:4px 4px 4px 4px rgb(170, 255,  
230) }
```

Background

The CSS property to change the background color of an element to XYZ 66.6205, 85.7792, 87.9087 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 255, 230) }
```

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

```
.background{ background-color: rgb(170,  
255, 230) }
```

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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