

Converting Colors

XYZ(66.5007, 85.7816, 85.0041)

Have a look what the booklet for
XYZ(66.5007, 85.7816, 85.0041)
contains.

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Color

**XYZ(66.5007, 85.7816,
85.0041)**

Conversions

Conversions Part 1

Format	Color
Hex	ACFFE2
RGB	172, 255, 226
RGB Percent	67%, 100%, 89%
CMY	0.3255, 0.0000, 0.1137
CMYK	0.33, 0.00, 0.11, 0.00
HSL	159°, 100%, 84%
HSV	159°, 33%, 100%
XYZ	66.5007, 85.7816, 85.0041
YIQ	226.8770, -40.1590, -26.6150

Conversions

Conversions Part 2

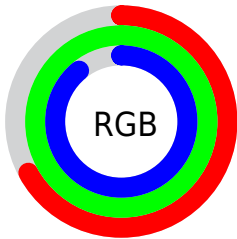
Format	Color
RYB	172, 222, 255
Decimal	11337698
CIELab	94.22, -31.20, 5.87
CIELCh	94, 31.749, 169.337
Yxy	85.7816, 0.2803, 0.3615
Android (android.graphics.Color)	4289527778 (0xFFACFFE2)
YUV	226.8770, -0.4324, -48.1271
Hunter-Lab	92.6184, -33.9177, 10.4171

Details

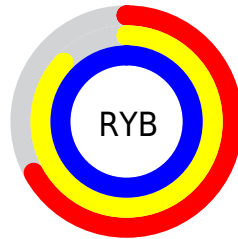
The XYZ color **66.5007, 85.7816, 85.0041** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **66.5357, 54.9831, 62.3647**, and the grayscale version is **72.9481, 76.7471, 83.5775**.

A 20% lighter version of the original color is **86.1231, 95.3980, 108.4822**, and **34.8809, 47.1103, 45.7829** is the 20% darker color. If you saturate the color by 10%, you get **60.2401, 82.6917, 78.4950**, and if you desaturate by 10%, it is **73.9004, 89.4513, 91.9010**.

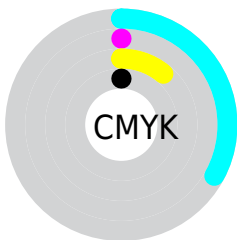
Distribution



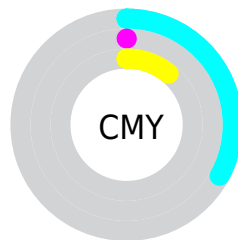
- Red (67%)
- Green (100%)
- Blue (89%)



- Red (67%)
- Yellow (87%)
- Blue (100%)



- Cyan (33%)
- Magenta (0%)
- Yellow (11%)
- Black (0%)




- Cyan (33%)
- Magenta (0%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 66.5007, 85.7816, 85.0041 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 66.5007, 85.7816, 85.0041 by changing the saturation by 10% instead.


 66.5007, 85.7816,
85.0041

 66.5007, 85.7816,
85.0041


437.6259,
514.2108, 531.7866

 48.9482, 64.4874,
63.2946

 113.2584,
141.4647, 142.2531

 34.7927, 47.0455,
45.6370


143.1943,
176.6223, 178.6297

 23.6690, 33.0717,
31.6129

177.9888,
217.1699, 220.7324

 15.2117, 22.1813,
20.8036

218.0070,
263.4919, 268.9798

 9.0554, 13.9902,
12.7907

263.6145,
315.9725, 323.7903

 4.8347, 8.1139,
7.1556

315.1766,

 2.1844, 4.1679,

374.9963, 385.5826

3.4797

373.0586,
440.9476, 454.7752

■ 0.7345, 1.7679,
1.3445

■ 0.0000, 0.4671,
0.0978

■ 66.5007, 85.7816,
85.0041

■ 66.5007, 85.7816,
85.0041

■ 60.2401, 82.6917,
78.4950

■ 73.9004, 89.4513,
91.9010

■ 55.0533, 80.1482,
72.3614

■ 82.4941, 93.7291,
99.1888

■ 50.8724, 78.1162,
66.5965

■ 92.3365, 98.6431,
106.8764

■ 47.6202, 76.5559,
61.1914

■ 95.0500, 100.0000,
108.9000

■ 45.2077, 75.4216,
56.1366

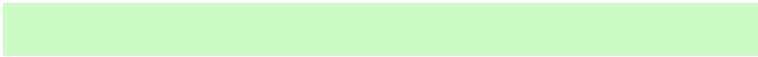
■ 43.5276, 74.6581,
51.4216

■ 42.6344, 74.2698,
48.1201

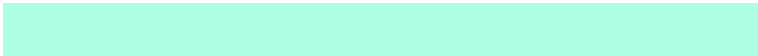
Harmonies

Analogous

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



69.7513, 85.7816, 66.0970



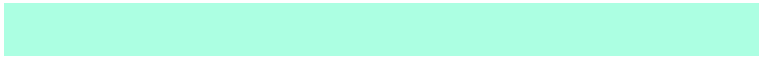
66.5007, 85.7816, 85.0041



67.0608, 85.7816, 109.7761

Triad

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



66.5007, 85.7816, 85.0041



87.0660, 85.7816, 144.9053



92.6549, 85.7816, 62.2006

Complementary

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



66.5007, 85.7816, 85.0041



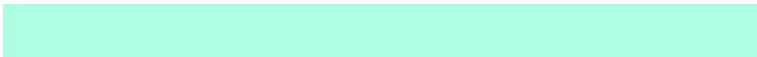
66.5357, 54.9831, 62.3647

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.



97.9502, 85.7816, 78.7421



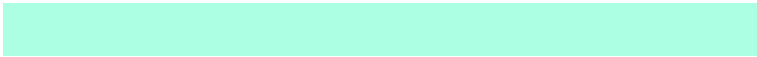
66.5007, 85.7816, 85.0041



94.5716, 85.7816, 127.3482

Square

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



66.5007, 85.7816, 85.0041



78.5454, 85.7816, 147.3749



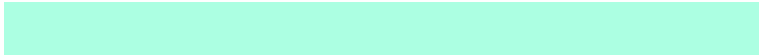
98.6750, 85.7816, 102.3347



84.5951, 85.7816, 54.5356

Rectangle

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



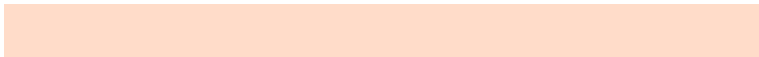
66.5007, 85.7816, 85.0041



69.5322, 85.7816, 126.3298



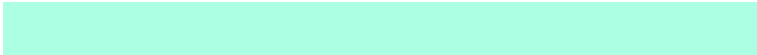
98.6750, 85.7816, 102.3347



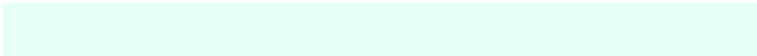
94.8404, 85.7816, 66.7586

Sweetspot

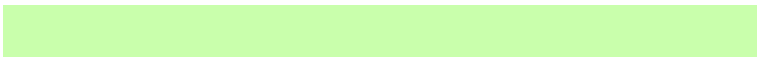
The Sweet Spot groups the original color and five complimentary colors.



66.5016, 85.7820, 85.0055



84.8814, 94.9198, 101.1094



67.3079, 86.9233, 52.2614



17.8841, 20.1751, 21.4141



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

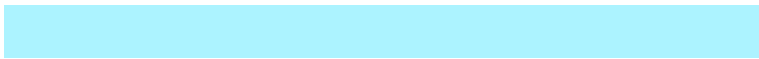
The Same Dimension uses a secret algorithm to generate beautiful new colors.



66.5016, 85.7820, 85.0055



62.3353, 83.7239, 80.7614



66.9800, 79.8234, 106.4850



18.2695, 20.3673, 21.7222



22.3507, 38.8369, 25.5300



2.2279, 3.8021, 2.7582

Inverse Universe

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



66.5357, 54.9831, 62.3647



62.3798, 48.6169, 54.9814



65.9212, 58.7078, 46.8884



18.2714, 18.0919, 20.0463



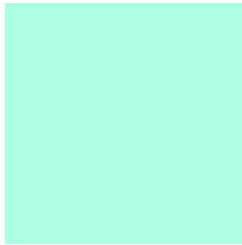
22.5565, 11.5119, 6.3150



2.2456, 1.1406, 0.8748

Previews

White Background



This preview shows how the XYZ color 66.5007, 85.7816, 85.0041 looks on a white background.

Color Contrast Check

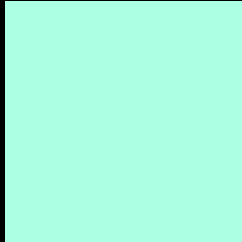
Large Text (above 18pt) WCAG AA × Fail

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 66.5007, 85.7816, 85.0041 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

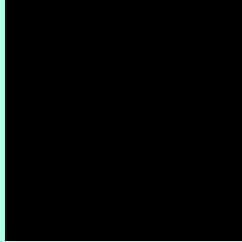
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

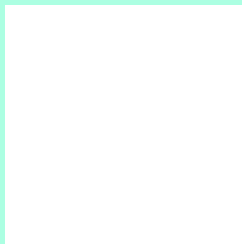
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 66.5007, 85.7816, 85.0041

Background



This preview shows how black text looks on a background with the XYZ color 66.5007, 85.7816, 85.0041.

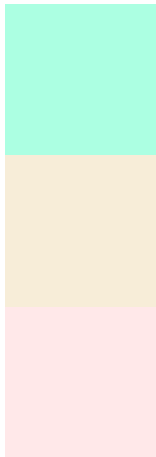


This preview shows how white text looks on a background with the XYZ color 66.5007, 85.7816,

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

66.5007, 85.7816, 85.0041

Protanopia

81.0366, 85.3004, 77.1593

Deuteranopia

84.8046, 84.8564, 89.0000



Tritanopia

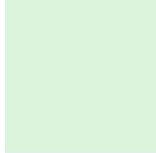
76.6952, 85.4767, 107.0641

Trichromacy



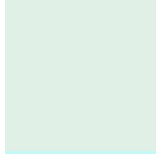
Original Color

66.5007, 85.7816, 85.0041



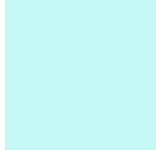
Protanomaly

74.7842, 85.0843, 80.1915



Deuteranomaly

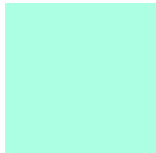
76.4944, 84.0409, 87.0527



Tritanomaly

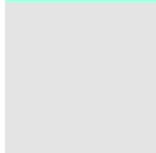
72.6615, 85.4022, 98.2426

Monochromacy



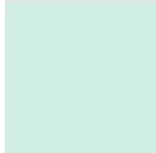
Original Color

66.5007, 85.7816, 85.0041



Achromatopsia

73.0128, 76.8151, 83.6517



Achromatomaly

69.8814, 79.3798, 84.3117

CSS Examples

Text

The CSS property to change the color of the text to XYZ 66.5007, 85.7816, 85.0041 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(172, 255, 226)` looks like.

```
.text, #text, p{  
    color:rgb(172, 255, 226)  
}
```

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(172, 255, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 255, 226) }
```

Border

The CSS property to change the border of an element to XYZ 66.5007, 85.7816, 85.0041 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(172, 255, 226) }
```


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

```
.border{ border-color:rgb(172, 255, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 255, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 255, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 255, 226);  
box-shadow:4px 4px 4px 4px rgb(172, 255,  
226) }
```

Background

The CSS property to change the background color of an element to XYZ 66.5007, 85.7816, 85.0041 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 255, 226) }
```

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

```
.background{ background-color: rgb(172,  
255, 226) }
```

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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