

Converting Colors

XYZ(73.4913, 100.0000,
87.9478)

Have a look what the booklet for
XYZ(73.4913, 100.0000, 87.9478)
contains.

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Color

**XYZ(66.4197, 85.7240,
85.7187)**

Conversions

Conversions Part 1

Format	Color
Hex	ABFFE3
RGB	171, 255, 227
RGB Percent	67%, 100%, 89%
CMY	0.3294, 0.0000, 0.1098
CMYK	0.33, 0.00, 0.11, 0.00
HSL	160°, 100%, 84%
HSV	160°, 33%, 100%
XYZ	66.4197, 85.7240, 85.7187
YIQ	226.6920, -41.0760, -26.5160

Conversions

Conversions Part 2

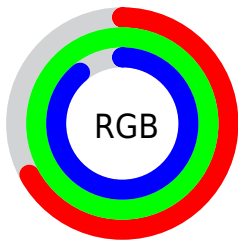
Format	Color
RYB	171, 221, 255
Decimal	11272163
CIELab	94.19, -31.27, 5.32
CIElCh	94, 31.724, 170.350
Yxy	85.7240, 0.2792, 0.3604
Android (android.graphics.Color)	4289462243 (0xFFABFFE3)
YUV	226.6920, 0.1518, -48.8419
Hunter-Lab	92.5873, -33.9764, 9.9195

Details

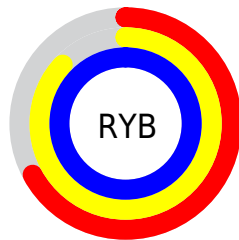
The XYZ color **66.4197, 85.7240, 85.7187** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **66.1123, 54.5104, 61.0703**, and the grayscale version is **72.8101, 76.6019, 83.4194**.

A 20% lighter version of the original color is **85.8049, 95.2340, 108.4673**, and **34.8429, 47.0797, 46.2806** is the 20% darker color. If you saturate the color by 10%, you get **60.2465, 82.6738, 79.4570**, and if you desaturate by 10%, it is **73.7239, 89.3505, 92.3384**.

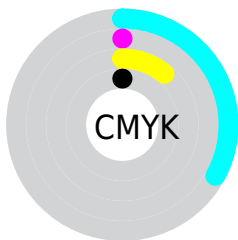
Distribution



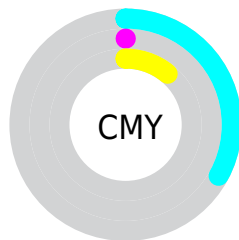
- Red (67%)
- Green (100%)
- Blue (89%)



- 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 66.4197, 85.7240, 85.7187 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 66.4197, 85.7240, 85.7187 by changing the saturation by 10% instead.


 66.4197, 85.7240,
85.7187

 66.4197, 85.7240,
85.7187


437.3414,
514.0207, 534.2097

 48.8821, 64.4398,
63.8818


 113.1429,
141.3843, 143.2599

 34.7401, 47.0070,
46.1094


143.0593,
176.5291, 179.8014

 23.6284, 33.0412,
31.9829


177.8326,
217.0629, 222.0814

 15.1814, 22.1580,
21.0837

217.8283,
263.3701, 270.5186

 9.0339, 13.9730,
12.9934

263.4116,
315.8351, 325.5315

 4.8206, 8.1019,
7.2933

314.9480,

 2.1761, 4.1602,

374.8423, 387.5386

3.5650

372.8028,
440.7760, 456.9585

0.7301, 1.7636,
1.3899

0.0000, 0.4643,
0.1338

66.4197, 85.7240,
85.7187

66.4197, 85.7240,
85.7187

60.2465, 82.6738,
79.4570

73.7239, 89.3505,
92.3384

55.1393, 80.1665,
73.5419

82.2143, 93.5817,
99.3189

51.0297, 78.1671,
67.9672

91.9455, 98.4457,
106.6681

47.8404, 76.6357,
62.7246

95.0500, 100.0000,
108.9000

■ 45.4821, 75.5264,
57.8055

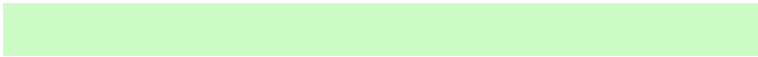
■ 43.8463, 74.7834,
53.1999

■ 43.0160, 74.4224,
50.1295

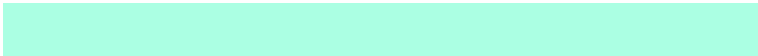
Harmonies

Analogous

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



69.5432, 85.7240, 66.5700



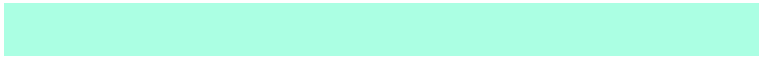
66.4197, 85.7240, 85.7187



67.1097, 85.7240, 110.5612

Triad

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



66.4197, 85.7240, 85.7187



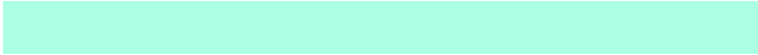
87.2885, 85.7240, 144.3979



92.3458, 85.7240, 61.7685

Complementary

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



66.4197, 85.7240, 85.7187



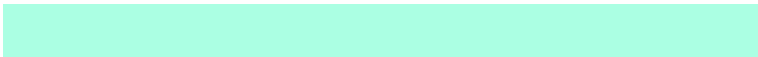
66.1123, 54.5104, 61.0703

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.



97.7636, 85.7240, 78.0049



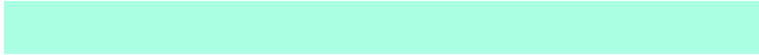
66.4197, 85.7240, 85.7187



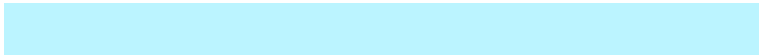
94.7059, 85.7240, 126.4653

Square

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



66.4197, 85.7240, 85.7187



78.7720, 85.7240, 147.4376



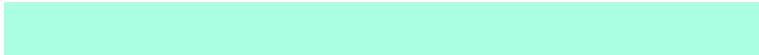
98.6560, 85.7240, 101.3978



84.2455, 85.7240, 54.4157

Rectangle

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



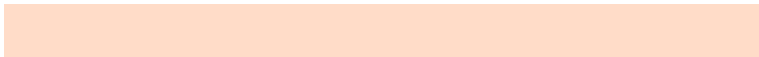
66.4197, 85.7240, 85.7187



69.6587, 85.7240, 127.0023



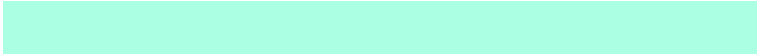
98.6560, 85.7240, 101.3978



94.5641, 85.7240, 66.2210

Sweetspot

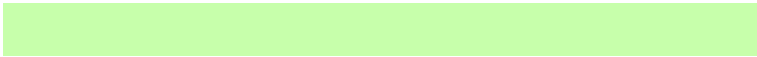
The Sweet Spot groups the original color and five complimentary colors.



66.4205, 85.7244, 85.7201



84.9444, 94.9450, 101.4411



66.6646, 86.6027, 51.7318



17.8994, 20.1812, 21.4946



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

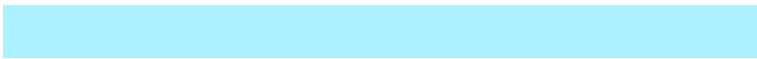
The Same Dimension uses a secret algorithm to generate beautiful new colors.



66.4205, 85.7244, 85.7201



61.9482, 83.5128, 81.2620



66.3006, 78.7891, 106.3211



18.2823, 20.3725, 21.7898



22.5490, 38.9162, 26.5739



2.2463, 3.8094, 2.8547

Inverse Universe

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



66.1123, 54.5104, 61.0703



61.6007, 47.6303, 52.9599



65.9404, 58.8992, 46.4226



18.2591, 18.0869, 19.9815



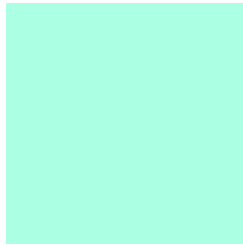
22.4670, 11.4761, 5.8439



2.2358, 1.1367, 0.8232

Previews

White Background



This preview shows how the XYZ color 66.4197, 85.7240, 85.7187 looks on a white background.

Color Contrast Check

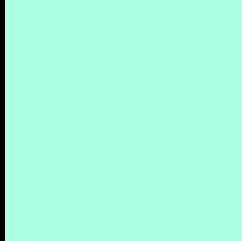
Large Text (above 18pt) WCAG AA × Fail

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 66.4197, 85.7240, 85.7187 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

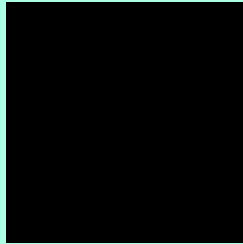
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

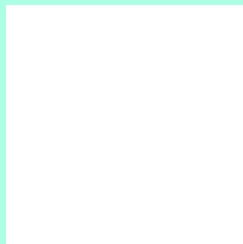
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 66.4197, 85.7240, 85.7187

Background



This preview shows how black text looks on a background with the XYZ color 66.4197, 85.7240, 85.7187.



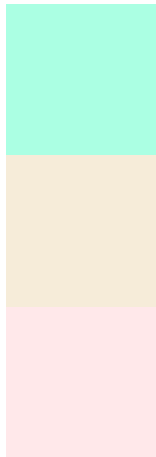
This preview shows how white text looks on a background with the XYZ color 66.4197, 85.7240,

85.7187.

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

66.4197, 85.7240, 85.7187

Protanopia

80.5259, 84.5935, 77.7296

Deuteranopia

84.9479, 84.9137, 89.7547



Tritanopia

76.6952, 85.4767, 107.0641

Trichromacy



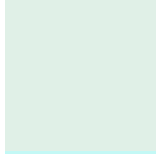
Original Color

66.4197, 85.7240, 85.7187



Protanomaly

74.3152, 84.3817, 80.7771



Deuteranomaly

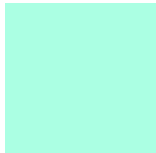
76.3244, 83.9370, 87.7800



Tritanomaly

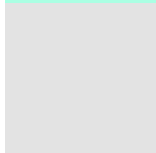
72.5545, 85.3295, 99.0324

Monochromacy



Original Color

66.4197, 85.7240, 85.7187



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 66.4197, 85.7240, 85.7187 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(171, 255, 227)` looks like.

```
.text, #text, p{  
    color:rgb(171, 255, 227)  
}
```

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(171, 255, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 255, 227) }
```

Border

The CSS property to change the border of an element to XYZ 66.4197, 85.7240, 85.7187 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(171, 255, 227) }
```


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

```
.border{ border-color:rgb(171, 255, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 255, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(171, 255, 227); -webkit-box-shadow:4px 4px 4px 4px rgb(171, 255, 227); box-shadow:4px 4px 4px 4px rgb(171, 255, 227) }
```

Background

The CSS property to change the background color of an element to XYZ 66.4197, 85.7240, 85.7187 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 255, 227) }
```

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

```
.background{ background-color: rgb(171,  
255, 227) }
```

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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