

Converting Colors

XYZ(67.3857, 85.9628, 97.4718)

Have a look what the booklet for
XYZ(67.3857, 85.9628, 97.4718)
contains.

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Color

**XYZ(67.4547, 85.9904,
97.8366)**

Conversions

Conversions Part 1

Format	Color
Hex	A5FFF3
RGB	165, 255, 243
RGB Percent	65%, 100%, 95%
CMY	0.3529, 0.0000, 0.0471
CMYK	0.35, 0.00, 0.05, 0.00
HSL	172°, 100%, 82%
HSV	172°, 35%, 100%
XYZ	67.4547, 85.9904, 97.8366
YIQ	226.7220, -49.7880, -22.8120

Conversions

Conversions Part 2

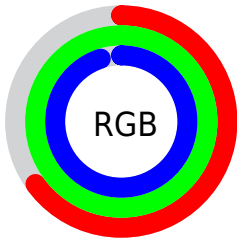
Format	Color
RYB	165, 213, 255
Decimal	10878963
CIELab	94.31, -29.47, -2.81
CIELCh	94, 29.607, 185.441
Yxy	85.9904, 0.2684, 0.3422
Android (android.graphics.Color)	4289069043 (0xFFA5FFF3)
YUV	226.7220, 8.0251, -54.1302
Hunter-Lab	92.7310, -32.4342, 2.3573

Details

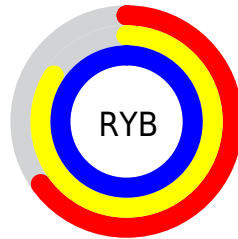
The XYZ color **67.4547, 85.9904, 97.8366** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **62.6317, 51.3459, 48.2055**, and the grayscale version is **72.7812, 76.5715, 83.3864**.

A 20% lighter version of the original color is **84.2414, 94.4280, 108.3942**, and **35.4704, 47.2272, 54.2600** is the 20% darker color. If you saturate the color by 10%, you get **62.1609, 83.3201, 94.9348**, and if you desaturate by 10%, it is **73.8174, 89.2106, 100.8410**.

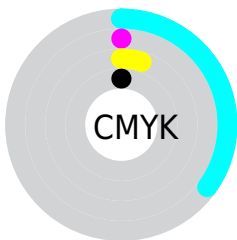
Distribution



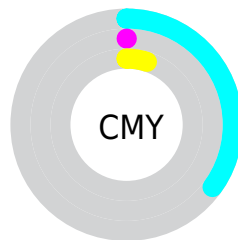
- Red (65%)
- Green (100%)
- Blue (95%)



- Red (65%)
- Yellow (84%)
- Blue (100%)



- Cyan (35%)
- Magenta (0%)
- Yellow (5%)
- Black (0%)





- Cyan (35%)
- Magenta (0%)
- Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 67.4547, 85.9904, 97.8366 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 67.4547, 85.9904, 97.8366 by changing the saturation by 10% instead.

 67.4547, 85.9904,
97.8366


 67.4547, 85.9904,
97.8366


440.9686,
514.8996, 574.4214

 49.7263, 64.6600,
73.8882


 114.6179,
141.7561, 160.2068

 35.4129, 47.1855,
54.2063


 144.7834,
176.9602, 199.4658

 24.1491, 33.1823,
38.3724


179.8254,
217.5577, 244.6654

 15.5696, 22.2661,
25.9677

220.1091,
263.9330, 296.2241

 9.3090, 14.0526,
16.5740

265.9999,
316.4704, 354.5605

 5.0020, 8.1572,
9.7725

317.8632,

 2.2832, 4.1957,

375.5544, 420.0932

5.1447

376.0643,
441.5693, 493.2407

0.7861, 1.7836,
2.2722

0.0000, 0.4769,
0.7156

67.4547, 85.9904,
97.8366

67.4547, 85.9904,
97.8366

62.1609, 83.3201,
94.9348

73.8174, 89.2106,
100.8410

57.8697, 81.1656,
92.1278

81.3040, 93.0091,
103.9464

54.5122, 79.4913,
89.4136

89.9693, 97.4141,
107.1571

52.0094, 78.2566,
86.7883

95.0500, 100.0000,
108.9000

■ 50.2691, 77.4139,
84.2472

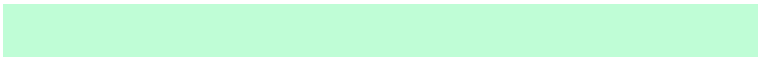
■ 49.1776, 76.9046,
81.7847

■ 48.8117, 76.7407,
80.6491

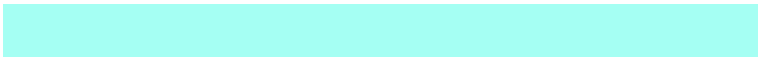
Harmonies

Analogous

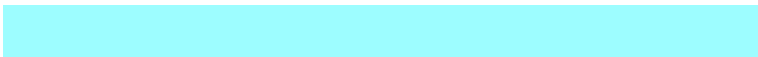
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



68.6161, 85.9904, 76.6053



67.4547, 85.9904, 97.8366



69.9126, 85.9904, 121.3422

Triad

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



67.4547, 85.9904, 97.8366



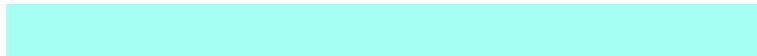
90.9082, 85.9904, 133.9630



88.2428, 85.9904, 59.2234

Complementary

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



67.4547, 85.9904, 97.8366



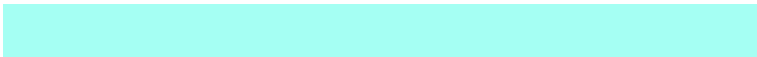
62.6317, 51.3459, 48.2055

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.



94.8122, 85.9904, 70.4933



67.4547, 85.9904, 97.8366



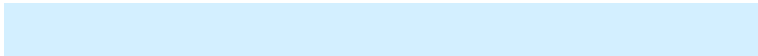
96.4195, 85.9904, 113.0044

Square

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



67.4547, 85.9904, 97.8366



83.1876, 85.9904, 144.2530



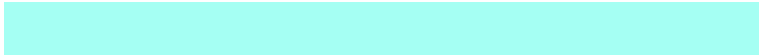
97.8923, 85.9904, 89.5437



80.2921, 85.9904, 56.4966

Rectangle

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



67.4547, 85.9904, 97.8366



73.3727, 85.9904, 134.4537



97.8923, 85.9904, 89.5437



90.7017, 85.9904, 62.0376

Sweetspot

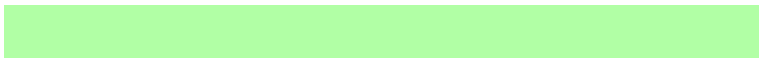
The Sweet Spot groups the original color and five complimentary colors.



67.4557, 85.9909, 97.8381



84.8765, 94.8242, 105.3116



60.6840, 83.5842, 48.5339



17.9205, 20.1710, 22.4483



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

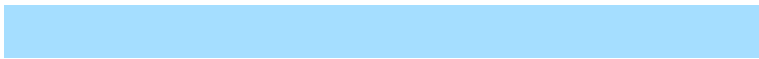
The Same Dimension uses a secret algorithm to generate beautiful new colors.



67.4557, 85.9909, 97.8381



63.7903, 84.1408, 95.8800



59.6894, 67.4629, 104.4834



18.4445, 20.4373, 22.6438



25.5457, 40.1149, 42.3542



2.5150, 3.9169, 4.2695

Inverse Universe

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



62.6317, 51.3459, 48.2055



58.3517, 45.0234, 39.8805



68.2264, 64.3659, 44.4269



18.1079, 18.0265, 19.1856



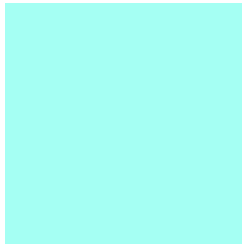
21.7297, 11.1812, 1.9610



2.1447, 1.1003, 0.3434

Previews

White Background



This preview shows how the XYZ color 67.4547, 85.9904, 97.8366 looks on a white background.

Color Contrast Check

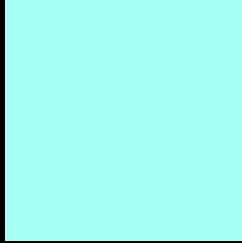
Large Text (above 18pt) WCAG AA × Fail

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 67.4547, 85.9904, 97.8366 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 67.4547, 85.9904, 97.8366

Background



This preview shows how black text looks on a background with the XYZ color 67.4547, 85.9904, 97.8366.



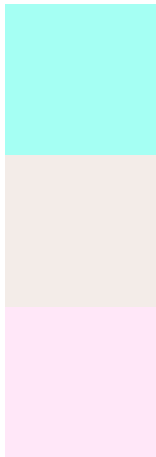
This preview shows how white text looks on a background with the XYZ color 67.4547, 85.9904,

97.8366.

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

67.4547, 85.9904, 97.8366

Protanopia

81.5231, 84.8718, 88.4291

Deuteranopia

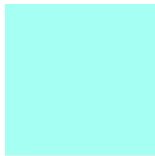
86.7592, 85.1891, 100.6774



Tritanopia

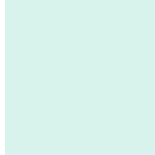
76.4131, 85.3313, 107.0509

Trichromacy



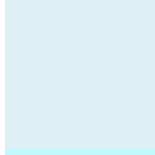
Original Color

67.4547, 85.9904, 97.8366



Protanomaly

75.2152, 84.6044, 91.7229



Deuteranomaly

77.9188, 84.5036, 99.3928



Tritanomaly

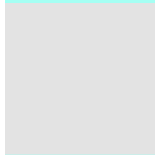
72.7182, 85.3063, 103.8999

Monochromacy



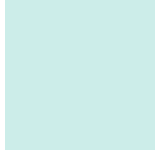
Original Color

67.4547, 85.9904, 97.8366



Achromatopsia

73.0128, 76.8151, 83.6517



Achromatomaly

69.8940, 79.2889, 88.7113

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.4547, 85.9904, 97.8366 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(165, 255, 243)` looks like.

```
.text, #text, p{  
    color:rgb(165, 255, 243)  
}
```

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(165, 255, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 255, 243) }
```

Border

The CSS property to change the border of an element to XYZ 67.4547, 85.9904, 97.8366 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(165, 255, 243) }
```


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

```
.border{ border-color:rgb(165, 255, 243) }
```

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

Here you see how a box with a 4 pixel rgb(165, 255, 243) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 255, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 255, 243);  
box-shadow:4px 4px 4px 4px rgb(165, 255,  
243) }
```

Background

The CSS property to change the background color of an element to XYZ 67.4547, 85.9904, 97.8366 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 255, 243) }
```

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

```
.background{ background-color: rgb(165,  
255, 243) }
```

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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