

Converting Colors

XYZ(67.4761, 85.2715, 92.9622)

Have a look what the booklet for
XYZ(67.4761, 85.2715, 92.9622)
contains.

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Color

**XYZ(67.4246, 85.1356,
92.9999)**

Conversions

Conversions Part 1

Format	Color
Hex	ACFDED
RGB	172, 253, 237
RGB Percent	67%, 99%, 93%
CMY	0.3255, 0.0078, 0.0706
CMYK	0.32, 0.00, 0.06, 0.01
HSL	168°, 95%, 83%
HSV	168°, 32%, 99%
XYZ	67.4246, 85.1356, 92.9999
YIQ	226.9570, -43.1400, -22.1480

Conversions

Conversions Part 2

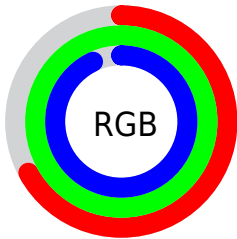
Format	Color
R _{YB}	172, 217, 253
Decimal	11337197
CIE Lab	93.94, -27.96, -0.21
CIE LCh	94, 27.960, 180.421
Yxy	85.1356, 0.2746, 0.3467
Android (android.graphics.Color)	4289527277 (0xFFACFDED)
YUV	226.9570, 4.9512, -48.1973
Hunter-Lab	92.2690, -31.0336, 4.8286

Details

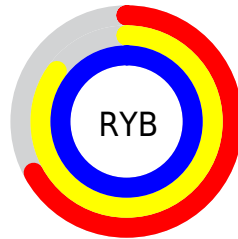
The XYZ color **67.4246, 85.1356, 92.9999** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **64.3406, 54.0209, 54.6163**, and the grayscale version is **72.9720, 76.7722, 83.6049**.

A 20% lighter version of the original color is **86.1231, 95.3980, 108.4822**, and **35.4165, 46.5980, 50.8437** is the 20% darker color. If you saturate the color by 10%, you get **61.6721, 82.2555, 88.9729**, and if you desaturate by 10%, it is **74.2594, 88.5757, 97.1875**.

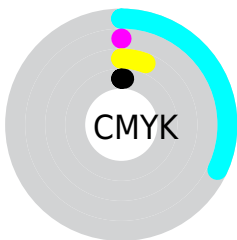
Distribution



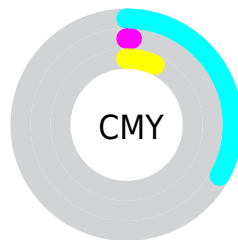
- Red (67%)
- Green (99%)
- Blue (93%)



- Red (67%)
- Yellow (85%)
- Blue (99%)



- Cyan (32%)
- Magenta (0%)
- Yellow (6%)
- Black (1%)





- Cyan (33%)
- Magenta (1%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 67.4246, 85.1356, 92.9999 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 67.4246, 85.1356, 92.9999 by changing the saturation by 10% instead.


 67.4246, 85.1356,
92.9999

 67.4246, 85.1356,
92.9999


440.8634,
512.0767, 558.5618

 49.7017, 63.9534,
69.8838

 114.5751,
140.5626, 153.4702

 35.3933, 46.6130,
50.9556


144.7333,
175.5762, 191.6614

 24.1339, 32.7298,
35.7968


179.7675,
215.9692, 235.7147

 15.5583, 21.9195,
23.9888

220.0428,
262.1257, 286.0487

 9.3010, 13.7978,
15.1132

265.9247,
314.4304, 343.0818

 4.9967, 7.9802,
8.7514

317.7786,

 2.2801, 4.0823,

373.2675, 407.2327

4.4848

375.9697,
439.0214, 478.9198

■ 0.7844, 1.7197,
1.8949

■ 0.0000, 0.4364,
0.4895

■ 67.4246, 85.1356,
92.9999

■ 67.4246, 85.1356,
92.9999

■ 61.6721, 82.2555,
88.9729

■ 74.2594, 88.5757,
97.1875

■ 56.9342, 79.8939,
85.0969

■ 82.2246, 92.5940,
101.5333

■ 53.1470, 78.0201,
81.3701

■ 91.3745, 97.2206,
106.0425

■ 50.2362, 76.5958,
77.7879

■ 94.4167, 98.7335,
108.6889

■ 48.1160, 75.5768,
74.3456

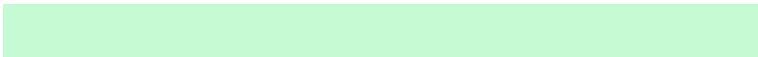
■ 46.6832, 74.9099,
71.0373

■ 45.9087, 74.5663,
68.4858

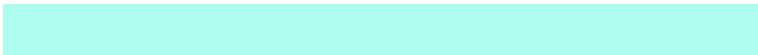
Harmonies

Analogous

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



69.0907, 85.1356, 73.8882



67.4246, 85.1356, 92.9999



69.1854, 85.1356, 115.0586

Triad

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



67.4246, 85.1356, 92.9999



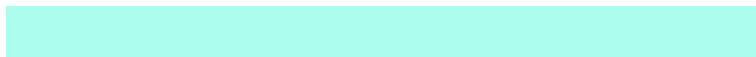
88.3901, 85.1356, 132.7611



88.1969, 85.1356, 61.4046

Complementary

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



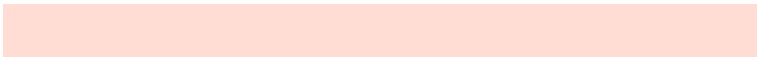
67.4246, 85.1356, 92.9999



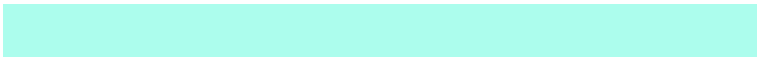
64.3406, 54.0209, 54.6163

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.



93.9091, 85.1356, 73.4404



67.4246, 85.1356, 92.9999



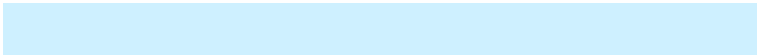
94.0253, 85.1356, 114.4568

Square

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



67.4246, 85.1356, 92.9999



81.0241, 85.1356, 140.0650



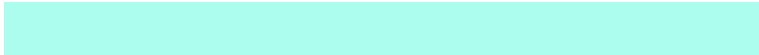
96.1031, 85.1356, 92.3971



80.8136, 85.1356, 57.4320

Rectangle

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



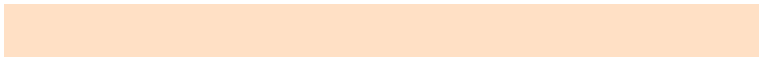
67.4246, 85.1356, 92.9999



72.1318, 85.1356, 128.0449



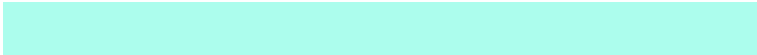
96.1031, 85.1356, 92.3971



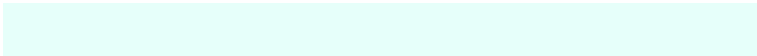
90.3920, 85.1356, 64.5403

Sweetspot

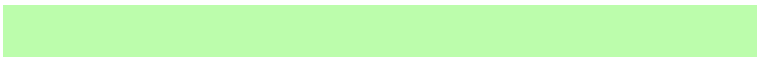
The Sweet Spot groups the original color and five complimentary colors.



67.4270, 85.1390, 93.0018



85.4823, 95.1601, 104.2737



63.3627, 83.9494, 51.8956



18.0300, 20.2334, 22.1826



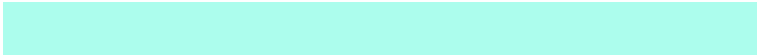
0.0000, 0.0000, 0.0000



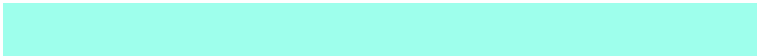
20.3446, 21.4041, 23.3091

Same Dimension

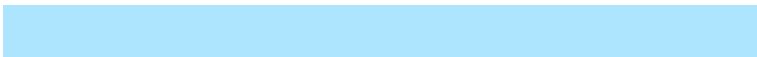
The Same Dimension uses a secret algorithm to generate beautiful new colors.



67.4270, 85.1390, 93.0018



64.9997, 84.8470, 92.1987



62.6819, 71.7382, 103.4756



18.3920, 20.4163, 22.3671



24.4737, 39.6861, 36.7095



2.4203, 3.8790, 3.7711

Inverse Universe

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



64.3406, 54.0209, 54.6163



61.4441, 48.9319, 47.9288



67.7649, 63.4792, 47.7124



18.1560, 18.0457, 19.4389



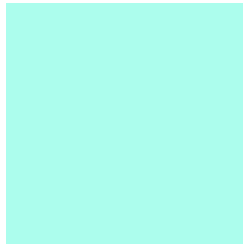
21.8952, 11.2474, 2.8324



2.1682, 1.1096, 0.4671

Previews

White Background



This preview shows how the XYZ color 67.4246, 85.1356, 92.9999 looks on a white background.

Color Contrast Check

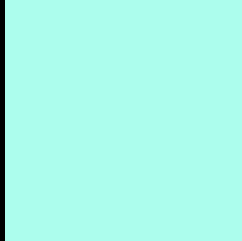
Large Text (above 18pt) WCAG AA × Fail

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 67.4246, 85.1356, 92.9999 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

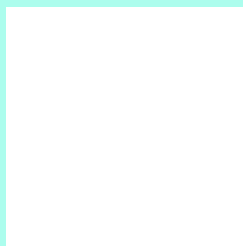
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 67.4246, 85.1356, 92.9999

Background



This preview shows how black text looks on a background with the XYZ color 67.4246, 85.1356, 92.9999.



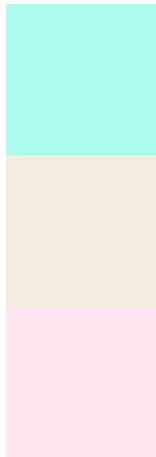
This preview shows how white text looks on a background with the XYZ color 67.4246, 85.1356,

92.9999.

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

67.4246, 85.1356, 92.9999

Protanopia

80.8227, 84.5916, 84.7411

Deuteranopia

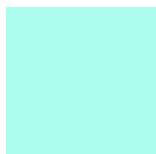
85.4140, 84.2045, 94.9704



Tritanopia

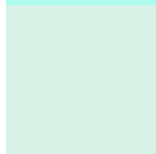
75.8327, 84.5866, 106.9378

Trichromacy



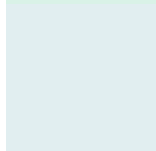
Original Color

67.4246, 85.1356, 92.9999



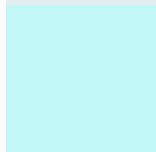
Protanomaly

74.7912, 84.0255, 87.8779



Deuteranomaly

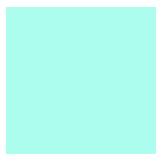
77.3540, 83.4479, 94.4681



Tritanomaly

72.4522, 84.7682, 101.3502

Monochromacy



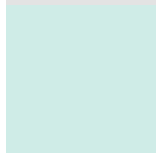
Original Color

67.4246, 85.1356, 92.9999



Achromatopsia

73.0128, 76.8151, 83.6517



Achromatomaly

70.1514, 79.0258, 87.1574

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.4246, 85.1356, 92.9999 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, 253, 237)` looks like.

```
.text, #text, p{  
    color:rgb(172, 253, 237)  
}
```

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, 253, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 253, 237) }
```

Border

The CSS property to change the border of an element to XYZ 67.4246, 85.1356, 92.9999 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, 253, 237) }
```


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

```
.border{ border-color:rgb(172, 253, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 253, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 253, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 253, 237);  
box-shadow:4px 4px 4px 4px rgb(172, 253,  
237) }
```

Background

The CSS property to change the background color of an element to XYZ 67.4246, 85.1356, 92.9999 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 253, 237) }
```

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

```
.background{ background-color: rgb(172,  
253, 237) }
```

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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