

Converting Colors

XYZ(70.4252, 85.9273,
107.4816)

Have a look what the booklet for
XYZ(70.4252, 85.9273, 107.4816)
contains.

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Color

**XYZ(70.3160, 85.8395,
107.4704)**

Conversions

Conversions Part 1

Format	Color
Hex	AEFCFF
RGB	174, 252, 255
RGB Percent	68%, 99%, 100%
CMY	0.3176, 0.0117, 0.0000
CMYK	0.32, 0.01, 0.00, 0.00
HSL	182°, 100%, 84%
HSV	182°, 32%, 100%
XYZ	70.3160, 85.8395, 107.4704
YIQ	229.0200, -47.4510, -15.6030

Conversions

Conversions Part 2

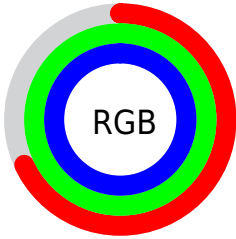
Format	Color
RYB	174, 214, 255
Decimal	11468031
CIELab	94.24, -22.98, -9.06
CIELCh	94, 24.697, 201.512
Yxy	85.8395, 0.2667, 0.3256
Android (android.graphics.Color)	4289658111 (0xFFAEFCFF)
YUV	229.0200, 12.8081, -48.2525
Hunter-Lab	92.6496, -26.6651, -3.9197

Details

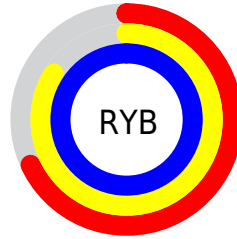
The XYZ color **70.3160, 85.8395, 107.4704** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **64.6023, 55.7601, 47.4042**, and the grayscale version is **74.4266, 78.3026, 85.2715**.

A 20% lighter version of the original color is **87.0887, 95.8958, 108.5274**, and **37.1794, 46.9590, 60.5305** is the 20% darker color. If you saturate the color by 10%, you get **64.8705, 82.5958, 107.1313**, and if you desaturate by 10%, it is **76.8458, 89.6487, 107.8615**.

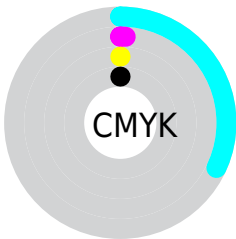
Distribution



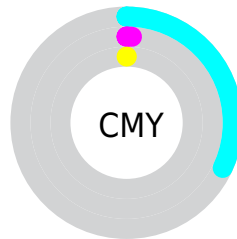
- Red (68%)
- Green (99%)
- Blue (100%)



- Red (68%)
- Yellow (84%)
- Blue (100%)



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



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 70.3160, 85.8395, 107.4704 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 70.3160, 85.8395, 107.4704 by changing the saturation by 10% instead.

70.3160, 85.8395,
107.4704

70.3160, 85.8395,
107.4704

450.9079,
514.4018, 605.3371

52.0647, 64.5353,
81.9023

118.6831,
141.5455, 173.5270

37.2811, 47.0843,
60.7497

149.5296,
176.7160, 214.8527

25.5999, 33.1023,
43.5939

185.3053,
217.2775, 262.2679

16.6557, 22.2049,
30.0166

226.3754,
263.6142, 316.1913

10.0831, 14.0075,
19.5990

273.1054,
316.1106, 377.0414

5.5168, 8.1259,
11.9227

325.8606,

2.5914, 4.1756,

375.1511, 445.2367

6.5692

385.0063,
441.1200, 521.1958

■ 0.9416, 1.7723,
3.1198

■ 0.0000, 0.4698,
1.1561

■ 70.3160, 85.8395,
107.4704

■ 70.3160, 85.8395,
107.4704

■ 64.8705, 82.5958,
107.1313

■ 76.8458, 89.6487,
107.8615

■ 60.4414, 79.8761,
106.8398

■ 84.5096, 94.0424,
108.3056

■ 56.9636, 77.6491,
106.5932

■ 93.3621, 99.0511,
108.8058

■ 54.3617, 75.8757,
106.3881

■ 95.0500, 100.0000,
108.9000

■ 52.5489, 74.5113,
106.2202

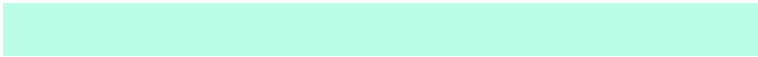
■ 51.4206, 73.5019,
106.0849

■ 50.8750, 72.8700,
105.9917

Harmonies

Analogous

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



69.6419, 85.8395, 88.1894



70.3160, 85.8395, 107.4704



73.9242, 85.8395, 124.9796

Triad

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



70.3160, 85.8395, 107.4704



91.9556, 85.8395, 118.0212



83.4801, 85.8395, 61.8639

Complementary

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



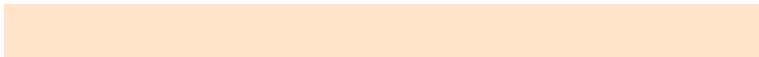
70.3160, 85.8395, 107.4704



64.6023, 55.7601, 47.4042

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.



89.7637, 85.8395, 67.7500



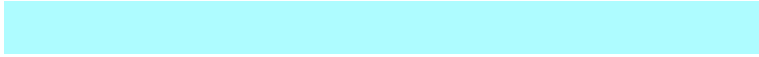
70.3160, 85.8395, 107.4704



94.8273, 85.8395, 98.9462

Square

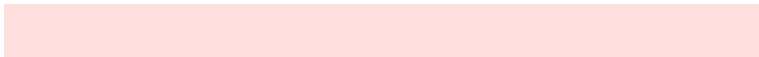
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



70.3160, 85.8395, 107.4704



86.3420, 85.8395, 131.6211



94.0042, 85.8395, 80.7318



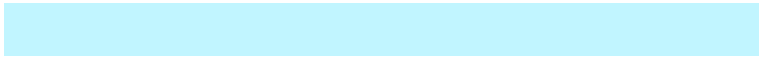
77.0116, 85.8395, 63.5025

Rectangle

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



70.3160, 85.8395, 107.4704



77.6200, 85.8395, 132.4487



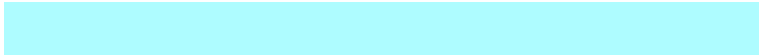
94.0042, 85.8395, 80.7318



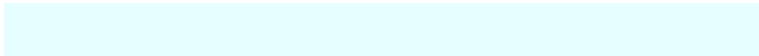
85.6887, 85.8395, 62.9958

Sweetspot

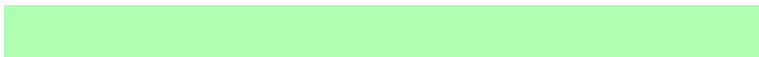
The Sweet Spot groups the original color and five complimentary colors.



70.3183, 85.8428, 107.4709



85.9828, 94.8802, 108.3897



61.1227, 83.6816, 54.3709



18.1519, 20.1650, 23.1855



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.



70.3183, 85.8428, 107.4709



66.7977, 83.7541, 107.2533



59.0004, 63.2071, 103.6983



18.4939, 20.3594, 23.2050



26.6088, 38.1273, 55.3915



2.6081, 3.7469, 5.3990

Inverse Universe

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



73.9482, 58.5621, 99.5054



70.9623, 52.7392, 98.0509



73.7452, 74.0459, 50.4518



18.7619, 18.2881, 22.6295



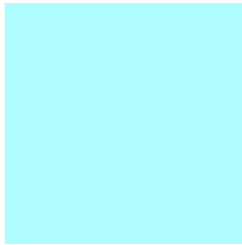
30.2191, 14.5769, 46.6658



2.9510, 1.4228, 4.5896

Previews

White Background



This preview shows how the XYZ color 70.3160, 85.8395, 107.4704 looks on a white background.

Color Contrast Check

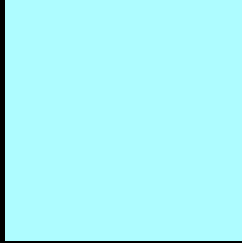
Large Text (above 18pt) WCAG AA × Fail

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 70.3160, 85.8395, 107.4704 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 70.3160, 85.8395, 107.4704

Background



This preview shows how black text looks on a background with the XYZ color 70.3160, 85.8395, 107.4704.

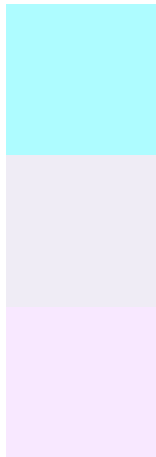


This preview shows how white text looks on a background with the XYZ color 70.3160, 85.8395,

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

70.3160, 85.8395, 107.4704

Protanopia

82.0735, 84.9342, 98.4544

Deuteranopia

85.6180, 84.8897, 106.4805



Tritanopia

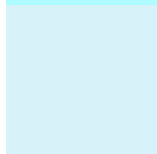
76.6952, 85.4767, 107.0641

Trichromacy



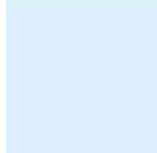
Original Color

70.3160, 85.8395, 107.4704



Protanomaly

76.8753, 84.7909, 101.9370



Deuteranomaly

78.7353, 84.3252, 106.7343



Tritanomaly

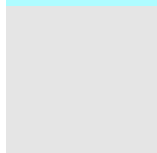
74.0757, 85.4773, 107.2023

Monochromacy



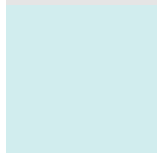
Original Color

70.3160, 85.8395, 107.4704



Achromatopsia

74.4753, 78.3538, 85.3273



Achromatomaly

72.0113, 80.2967, 92.5923

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.3160, 85.8395, 107.4704 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(174, 252, 255)` looks like.

```
.text, #text, p{  
    color:rgb(174, 252, 255)  
}
```

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(174, 252, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 252, 255) }
```

Border

The CSS property to change the border of an element to XYZ 70.3160, 85.8395, 107.4704 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(174, 252, 255) }
```


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

```
.border{ border-color:rgb(174, 252, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 252, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 252, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 252, 255);  
box-shadow:4px 4px 4px 4px rgb(174, 252,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 70.3160, 85.8395, 107.4704 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 252, 255) }
```

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

```
.background{ background-color: rgb(174,  
252, 255) }
```

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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