

Converting Colors

XYZ(76.4133, 88.5822,
138.7773)

Have a look what the booklet for
XYZ(76.4133, 88.5822, 138.7773)
contains.

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Color

**XYZ(70.6308, 86.4692,
107.5753)**

Conversions

Conversions Part 1

Format	Color
Hex	AEFDFF
RGB	174, 253, 255
RGB Percent	68%, 99%, 100%
CMY	0.3176, 0.0078, 0.0000
CMYK	0.32, 0.01, 0.00, 0.00
HSL	181°, 100%, 84%
HSV	181°, 32%, 100%
XYZ	70.6308, 86.4692, 107.5753
YIQ	229.6070, -47.7260, -16.1260

Conversions

Conversions Part 2

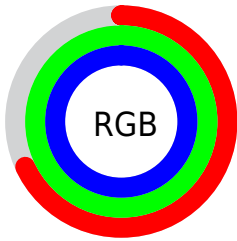
Format	Color
RYB	174, 214, 255
Decimal	11468287
CIELab	94.51, -23.46, -8.66
CIElCh	95, 25.008, 200.254
Yxy	86.4692, 0.2669, 0.3267
Android (android.graphics.Color)	4289658367 (0xFFAEFDFF)
YUV	229.6070, 12.5187, -48.7673
Hunter-Lab	92.9888, -27.1486, -3.4982

Details

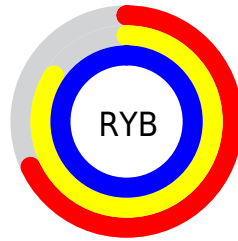
The XYZ color **70.6308, 86.4692, 107.5753** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **64.4054, 55.3664, 47.3384**, and the grayscale version is **74.8611, 78.7597, 85.7693**.

A 20% lighter version of the original color is **87.0887, 95.8958, 108.5274**, and **37.4042, 47.4086, 60.6055** is the 20% darker color. If you saturate the color by 10%, you get **65.2828, 83.4204, 107.2687**, and if you desaturate by 10%, it is **77.0624, 90.0819, 107.9337**.

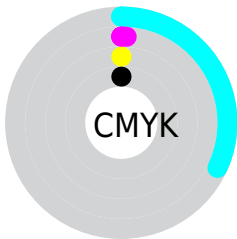
Distribution



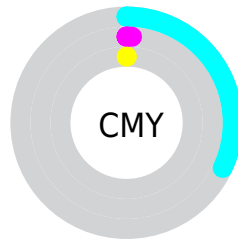
- Red (68%)
- Green (99%)
- Blue (100%)



- 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 70.6308, 86.4692, 107.5753 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 70.6308, 86.4692, 107.5753 by changing the saturation by 10% instead.

70.6308, 86.4692,
107.5753

70.6308, 86.4692,
107.5753

451.9937,
516.4771, 605.6692

52.3224, 65.0560,
81.9898

119.1293,
142.4241, 173.6714

37.4874, 47.5065,
60.8214

150.0500,
177.7345, 215.0192

25.7605, 33.4363,
43.6514

185.9056,
218.4463, 262.4581

16.7763, 22.4609,
30.0614

227.0614,
264.9436, 316.4067

10.1694, 14.1959,
19.6327

273.8828,
317.6110, 377.2836

5.5746, 8.2571,
11.9469

326.7351,

2.6263, 4.2599,

376.8327, 445.5073

6.5855

385.9836,
442.9933, 521.4963

■ 0.9594, 1.8200,
3.1297

■ 0.0000, 0.4996,
1.1613

■ 70.6308, 86.4692,
107.5753

■ 70.6308, 86.4692,
107.5753

■ 65.2828, 83.4204,
107.2687

■ 77.0624, 90.0819,
107.9337

■ 60.9503, 80.8940,
107.0094

■ 84.6271, 94.2775,
108.3448

■ 57.5683, 78.8585,
106.7948

■ 93.3797, 99.0865,
108.8117

■ 55.0614, 77.2751,
106.6213

■ 95.0500, 100.0000,
108.9000

■ 53.3428, 76.0991,
106.4849

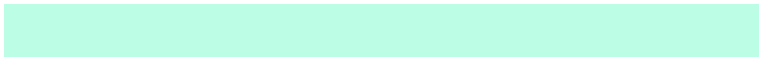
■ 52.3078, 75.2764,
106.3806

■ 51.8386, 74.7971,
106.3129

Harmonies

Analogous

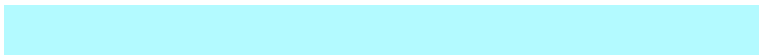
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



70.0777, 86.4692, 88.0129



70.6308, 86.4692, 107.5753



74.1847, 86.4692, 125.6268

Triad

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



70.6308, 86.4692, 107.5753



92.5461, 86.4692, 119.8981



84.3972, 86.4692, 62.1364

Complementary

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



70.6308, 86.4692, 107.5753



64.4054, 55.3664, 47.3384

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.



90.7437, 86.4692, 68.4265



70.6308, 86.4692, 107.5753



95.6153, 86.4692, 100.5665

Square

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



70.6308, 86.4692, 107.5753



86.7493, 86.4692, 133.3877



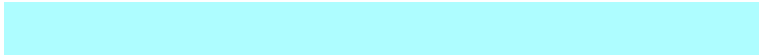
94.9382, 86.4692, 81.8914



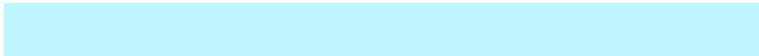
77.7864, 86.4692, 63.4778

Rectangle

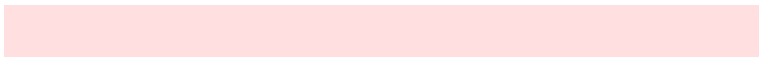
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



70.6308, 86.4692, 107.5753



77.8902, 86.4692, 133.5293



94.9382, 86.4692, 81.8914



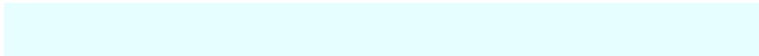
86.6377, 86.4692, 63.3916

Sweetspot

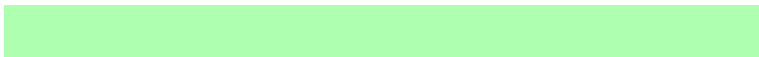
The Sweet Spot groups the original color and five complimentary colors.



70.6331, 86.4725, 107.5759



86.0828, 95.0802, 108.4230



60.9890, 83.6281, 53.6671



18.1763, 20.2138, 23.1936



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.



70.6331, 86.4725, 107.5759



67.1734, 84.5056, 107.3785



59.3388, 63.8840, 103.8111



18.5142, 20.4001, 23.2118



27.1041, 39.1177, 55.5565



2.6507, 3.8321, 5.4132

Inverse Universe

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



74.1071, 58.6256, 100.3424



71.1519, 52.8150, 99.0496



73.3982, 73.3519, 50.3360



18.7722, 18.2922, 22.6836



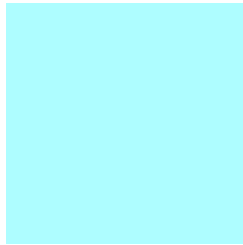
30.4691, 14.6769, 47.9821



2.9726, 1.4314, 4.7029

Previews

White Background



This preview shows how the XYZ color 70.6308, 86.4692, 107.5753 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 70.6308, 86.4692, 107.5753 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

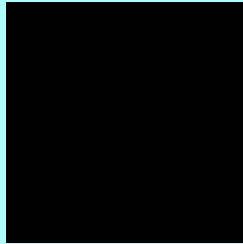
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 70.6308, 86.4692, 107.5753

Background



This preview shows how black text looks on a background with the XYZ color 70.6308, 86.4692, 107.5753.

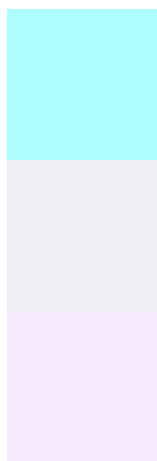


This preview shows how white text looks on a background with the XYZ color 70.6308, 86.4692,

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

70.6308, 86.4692, 107.5753

Protanopia

82.7008, 85.6862, 98.5665

Deuteranopia

86.2558, 85.6376, 106.5913



Tritanopia

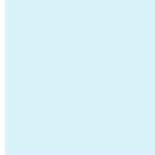
77.2647, 85.7703, 107.0908

Trichromacy



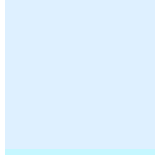
Original Color

70.6308, 86.4692, 107.5753



Protanomaly

77.4684, 85.5397, 102.0503



Deuteranomaly

79.3343, 85.0698, 106.8465



Tritanomaly

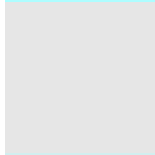
74.5995, 85.7473, 107.2268

Monochromacy



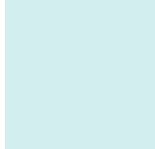
Original Color

70.6308, 86.4692, 107.5753



Achromatopsia

75.2129, 79.1298, 86.1723



Achromatomaly

72.7329, 81.0827, 93.4785

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.6308, 86.4692, 107.5753 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, 253, 255)` looks like.

```
.text, #text, p{  
    color:rgb(174, 253, 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, 253, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 253, 255) }
```

Border

The CSS property to change the border of an element to XYZ 70.6308, 86.4692, 107.5753 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, 253, 255) }
```


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

```
.border{ border-color:rgb(174, 253, 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, 253, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 253, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 253, 255);  
box-shadow:4px 4px 4px 4px rgb(174, 253,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 70.6308, 86.4692, 107.5753 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 253, 255) }
```

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

```
.background{ background-color: rgb(174,  
253, 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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