

Converting Colors

XYZ(77.6199, 100.0000,
95.1603)

Have a look what the booklet for
XYZ(77.6199, 100.0000, 95.1603)
contains.

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Color

**XYZ(71.7851, 88.3258,
93.3859)**

Conversions

Conversions Part 1

Format	Color
Hex	BCFFED
RGB	188, 255, 237
RGB Percent	74%, 100%, 93%
CMY	0.2627, 0.0000, 0.0706
CMYK	0.26, 0.00, 0.07, 0.00
HSL	164°, 100%, 87%
HSV	164°, 26%, 100%
XYZ	71.7851, 88.3258, 93.3859
YIQ	232.9150, -34.1540, -19.8020

Conversions

Conversions Part 2

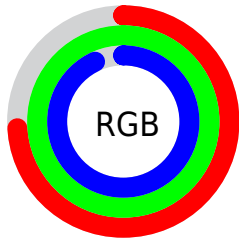
Format	Color
RYB	188, 227, 255
Decimal	12386285
CIELab	95.30, -24.39, 1.87
CIELCh	95, 24.465, 175.614
Yxy	88.3258, 0.2832, 0.3484
Android (android.graphics.Color)	4290576365 (0xFFBCFFED)
YUV	232.9150, 2.0139, -39.3905
Hunter-Lab	93.9818, -28.1265, 6.8732

Details

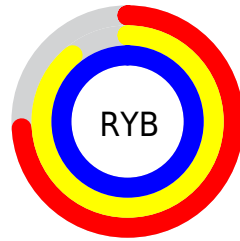
The XYZ color **71.7851, 88.3258, 93.3859** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **70.3644, 61.6838, 66.5905**, and the grayscale version is **77.3917, 81.4221, 88.6687**.

A 20% lighter version of the original color is **91.4662, 98.1525, 108.7323**, and **38.2074, 48.7109, 51.1045** is the 20% darker color. If you saturate the color by 10%, you get **65.0668, 84.9758, 87.9472**, and if you desaturate by 10%, it is **79.6533, 92.2641, 99.0809**.

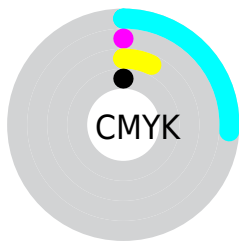
Distribution



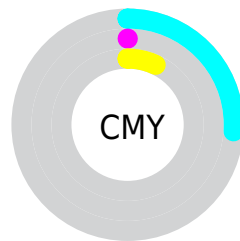
- Red (74%)
- Green (100%)
- Blue (93%)



- Red (74%)
- Yellow (89%)
- Blue (100%)



- Cyan (26%)
- Magenta (0%)
- Yellow (7%)
- Black (0%)





- Cyan (26%)
- Magenta (0%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 71.7851, 88.3258, 93.3859 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 71.7851, 88.3258, 93.3859 by changing the saturation by 10% instead.


 71.7851, 88.3258,
93.3859

 71.7851, 88.3258,
93.3859


455.9625,
522.5696, 559.8364

 53.2680, 66.5929,
70.2028


 120.7634,
145.0107, 154.0091

 38.2451, 48.7539,
51.2141

151.9553,
180.7314, 192.2863

 26.3510, 34.4243,
36.0011


188.1028,
221.8836, 236.4320

 17.2205, 23.2197,
24.1454

229.5714,
268.8516, 286.8647

 10.4881, 14.7558,
15.2283

276.7262,
322.0198, 344.0030

 5.7885, 8.6482,
8.8314

329.9328,

 2.7563, 4.5124,

381.7726, 408.2653

4.5360

389.5565,
448.4944, 480.0703

■ 1.0263, 1.9641,
1.9238

■ 0.0000, 0.5865,
0.5078

■ 71.7851, 88.3258,
93.3859

■ 71.7851, 88.3258,
93.3859

■ 65.0668, 84.9758,
87.9472

■ 79.6533, 92.2641,
99.0809


■ 59.4369, 82.1826,
82.7554


■ 88.7232, 96.8174,
105.0325


■ 54.8320, 79.9134,
77.8068


95.0500, 100.0000,
108.9000

■ 51.1812, 78.1318,
73.0957

 48.4038, 76.7963,
68.6162

 46.4057, 75.8583,
64.3613

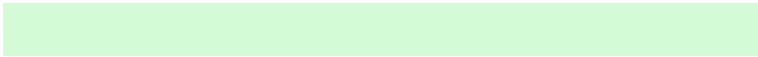
 45.0697, 75.2576,
60.3233

 44.6759, 75.0864,
58.8704

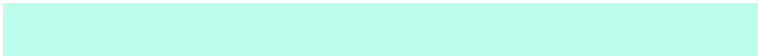
Harmonies

Analogous

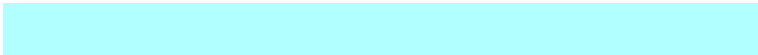
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



73.7916, 88.3258, 76.8576



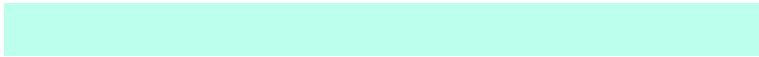
71.7851, 88.3258, 93.3859



72.8939, 88.3258, 112.9657

Triad

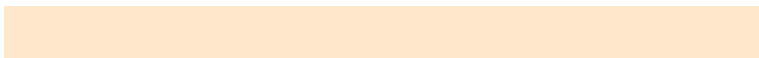
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



71.7851, 88.3258, 93.3859



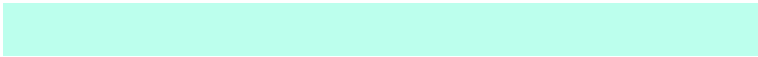
89.6267, 88.3258, 133.2996



91.4157, 88.3258, 68.8982

Complementary

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



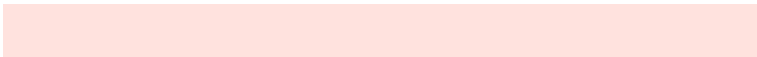
71.7851, 88.3258, 93.3859



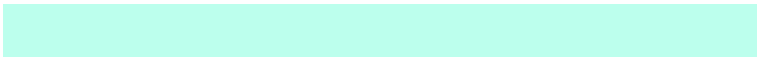
70.3644, 61.6838, 66.5905

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.



96.0733, 88.3258, 81.1306



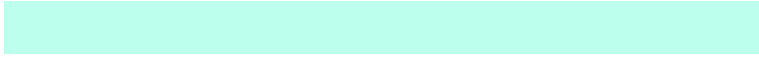
71.7851, 88.3258, 93.3859



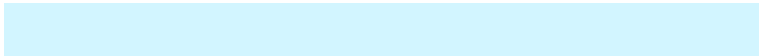
95.0026, 88.3258, 118.4776

Square

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



71.7851, 88.3258, 93.3859



82.9726, 88.3258, 137.7070



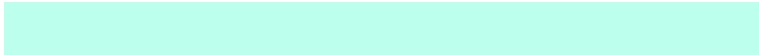
97.4193, 88.3258, 99.0125



84.9372, 88.3258, 63.9608

Rectangle

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



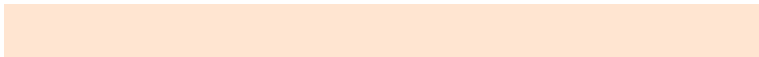
71.7851, 88.3258, 93.3859



75.2836, 88.3258, 124.9263



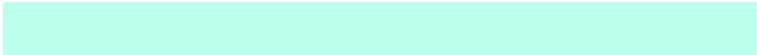
97.4193, 88.3258, 99.0125



93.2594, 88.3258, 72.2073

Sweetspot

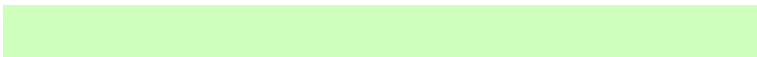
The Sweet Spot groups the original color and five complimentary colors.



71.7860, 88.3262, 93.3874



87.0691, 95.9862, 103.9863



70.5654, 88.4142, 60.9249



18.3343, 20.3933, 22.0636



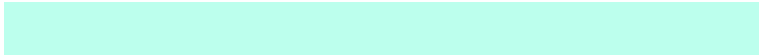
0.0000, 0.0000, 0.0000



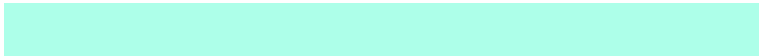
20.3446, 21.4041, 23.3091

Same Dimension

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



71.7860, 88.3262, 93.3874



67.8015, 86.3376, 90.2414



70.0924, 80.5172, 106.4548



18.3343, 20.3933, 22.0636



23.4096, 39.2604, 31.1060



2.3249, 3.8409, 3.2686

Inverse Universe

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



70.3644, 61.6838, 66.5905



66.1471, 55.2554, 58.9992



71.5598, 67.3758, 56.8116



18.2098, 18.0672, 19.7217



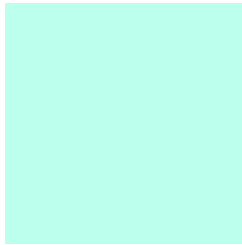
22.1547, 11.3512, 4.1991



2.2003, 1.1225, 0.6362

Previews

White Background



This preview shows how the XYZ color 71.7851, 88.3258, 93.3859 looks on a white background.

Color Contrast Check

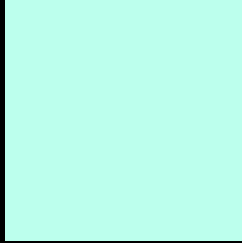
Large Text (above 18pt) WCAG AA × Fail

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 71.7851, 88.3258, 93.3859 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

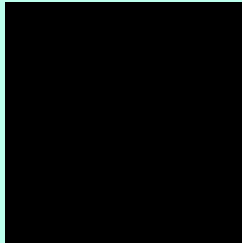
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

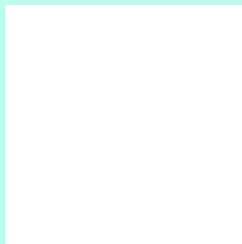
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 71.7851, 88.3258, 93.3859

Background



This preview shows how black text looks on a background with the XYZ color 71.7851, 88.3258, 93.3859.



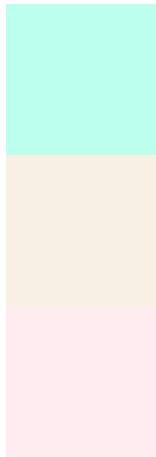
This preview shows how white text looks on a background with the XYZ color 71.7851, 88.3258,

93.3859.

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

71.7851, 88.3258, 93.3859

Protanopia

83.8751, 87.8781, 85.9403

Deuteranopia

87.1126, 87.6018, 95.5366



Tritanopia

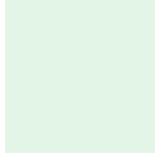
80.5212, 87.8970, 107.3296

Trichromacy



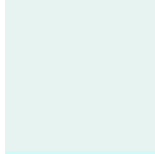
Original Color

71.7851, 88.3258, 93.3859



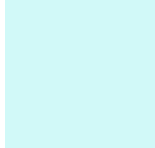
Protanomaly

78.4402, 87.2431, 88.3067



Deuteranomaly

80.7338, 87.3814, 95.0492



Tritanomaly

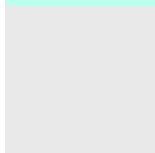
77.1135, 88.0840, 101.7445

Monochromacy



Original Color

71.7851, 88.3258, 93.3859



Achromatopsia

77.4512, 81.4847, 88.7368



Achromatomaly

74.9219, 83.6028, 90.0301

CSS Examples

Text

The CSS property to change the color of the text to XYZ 71.7851, 88.3258, 93.3859 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(188, 255, 237)` looks like.

```
.text, #text, p{  
    color:rgb(188, 255, 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(188, 255, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 255, 237) }
```

Border

The CSS property to change the border of an element to XYZ 71.7851, 88.3258, 93.3859 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(188, 255, 237) }
```


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

```
.border{ border-color:rgb(188, 255, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 255, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 255, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 255, 237);  
box-shadow:4px 4px 4px 4px rgb(188, 255,  
237) }
```

Background

The CSS property to change the background color of an element to XYZ 71.7851, 88.3258, 93.3859 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 255, 237) }
```

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

```
.background{ background-color: rgb(188,  
255, 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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