

Converting Colors

XYZ(72.0630, 89.5366, 93.8320)

Have a look what the booklet for
XYZ(72.0630, 89.5366, 93.8320)
contains.

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Color

**XYZ(71.2958, 88.0735,
93.3630)**

Conversions

Conversions Part 1

Format	Color
Hex	BAFFED
RGB	186, 255, 237
RGB Percent	73%, 100%, 93%
CMY	0.2706, 0.0000, 0.0706
CMYK	0.27, 0.00, 0.07, 0.00
HSL	164°, 100%, 86%
HSV	164°, 27%, 100%
XYZ	71.2958, 88.0735, 93.3630
YIQ	232.3170, -35.3460, -20.2260

Conversions

Conversions Part 2

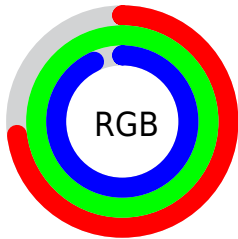
Format	Color
R_{YB}	186, 226, 255
Decimal	12255213
CIE _{Lab}	95.19, -24.97, 1.70
CIE _{LCh}	95, 25.031, 176.097
Yxy	88.0735, 0.2821, 0.3485
Android (android.graphics.Color)	4290445293 (0xFFBAFFED)
YUV	232.3170, 2.3087, -40.6200
Hunter-Lab	93.8475, -28.6269, 6.7093

Details

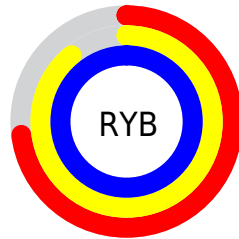
The XYZ color **71.2958, 88.0735, 93.3630** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **69.6987, 60.7387, 65.1776**, and the grayscale version is **76.9413, 80.9482, 88.1526**.

A 20% lighter version of the original color is **90.7721, 97.7947, 108.6998**, and **37.8946, 48.5497, 51.0898** is the 20% darker color. If you saturate the color by 10%, you get **64.6901, 84.7784, 88.0753**, and if you desaturate by 10%, it is **79.0449, 91.9539, 98.8953**.

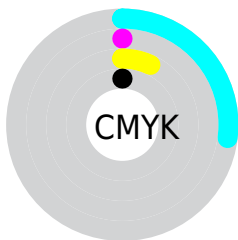
Distribution



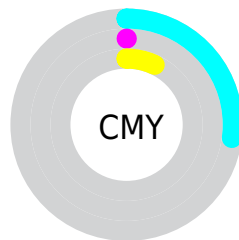
- Red (73%)
- Green (100%)
- Blue (93%)



- Red (73%)
- Yellow (89%)
- Blue (100%)



- Cyan (27%)
- Magenta (0%)
- Yellow (7%)
- Black (0%)




- Cyan (27%)
- Magenta (0%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 71.2958, 88.0735, 93.3630 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 71.2958, 88.0735, 93.3630 by changing the saturation by 10% instead.

 71.2958, 88.0735,
93.3630

 71.2958, 88.0735,
93.3630


454.2826,
521.7439, 559.7608

 52.8670, 66.3839,
70.1839


 120.0710,
144.6595, 153.9771

 37.9237, 48.5841,
51.1988


151.1482,
180.3247, 192.2493

 26.1004, 34.2897,
35.9890

187.1723,
221.4172, 236.3895

 17.0318, 23.1163,
24.1361

228.5085,
268.3215, 286.8163

 10.3526, 14.6794,
15.2214

275.5223,
321.4219, 343.9483

 5.6974, 8.5947,
8.8266

328.5790,

 2.7009, 4.4778,

381.1029, 408.2041

4.5330

388.0440,
447.7487, 480.0020

■ 0.9976, 1.9442,
1.9221

■ 0.0000, 0.5748,
0.5067

■ 71.2958, 88.0735,
93.3630

■ 71.2958, 88.0735,
93.3630

■ 64.6901, 84.7784,
88.0753

■ 79.0449, 91.9539,
98.8953

■ 59.1658, 82.0366,
83.0230

■ 87.9893, 96.4463,
104.6722

■ 54.6592, 79.8154,
78.2025

95.0500, 100.0000,
108.9000

■ 51.0986, 78.0778,
73.6084

■ 48.4026, 76.7820,
69.2347

■ 46.4758, 75.8788,
65.0748

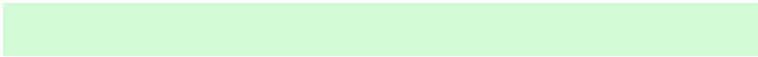
■ 45.1963, 75.3054,
61.1208

■ 44.8892, 75.1717,
59.9938

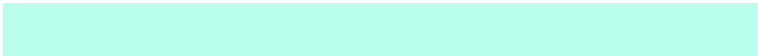
Harmonies

Analogous

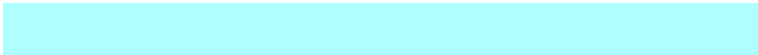
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



73.2904, 88.0735, 76.4339



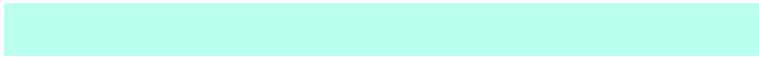
71.2958, 88.0735, 93.3630



72.4764, 88.0735, 113.3879

Triad

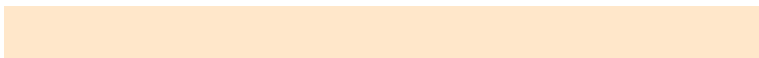
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



71.2958, 88.0735, 93.3630



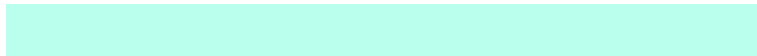
89.6144, 88.0735, 133.7402



91.2422, 88.0735, 67.9771

Complementary

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



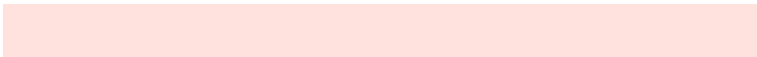
71.2958, 88.0735, 93.3630



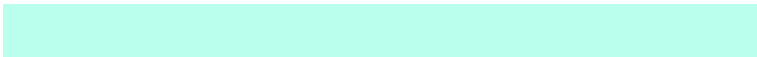
69.6987, 60.7387, 65.1776

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.



96.0510, 88.0735, 80.3043



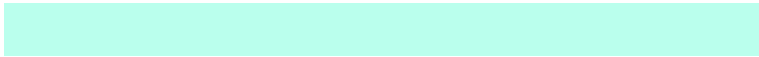
71.2958, 88.0735, 93.3630



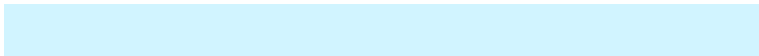
95.0758, 88.0735, 118.4120

Square

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



71.2958, 88.0735, 93.3630



82.8217, 88.0735, 138.4663



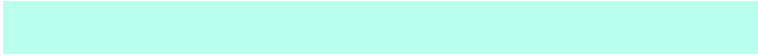
97.4903, 88.0735, 98.4766



84.6071, 88.0735, 63.0912

Rectangle

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



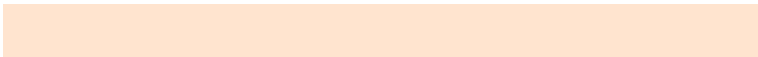
71.2958, 88.0735, 93.3630



74.9416, 88.0735, 125.5875



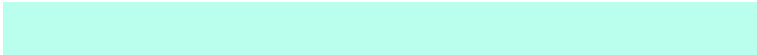
97.4903, 88.0735, 98.4766



93.1396, 88.0735, 71.2988

Sweetspot

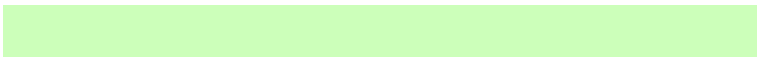
The Sweet Spot groups the original color and five complimentary colors.



71.2967, 88.0740, 93.3645



87.0940, 95.9961, 104.1172



69.6354, 87.9596, 59.7637



18.3406, 20.3958, 22.0967



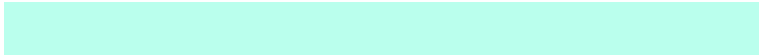
0.0000, 0.0000, 0.0000



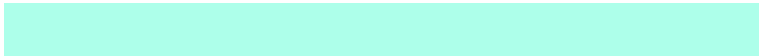
20.3446, 21.4041, 23.3091

Same Dimension

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



71.2967, 88.0740, 93.3645



67.8924, 86.3740, 90.7205



69.1378, 79.3343, 106.2768



18.3406, 20.3958, 22.0967



23.5201, 39.3046, 31.6876



2.3349, 3.8449, 3.3212

Inverse Universe

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



69.6987, 60.7387, 65.1776



66.0752, 55.2267, 58.6208



71.2478, 67.0943, 55.6513



18.2038, 18.0649, 19.6906



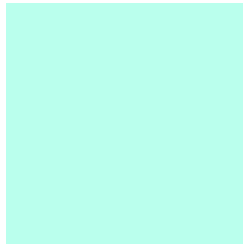
22.1221, 11.3381, 4.0275



2.1964, 1.1209, 0.6158

Previews

White Background



This preview shows how the XYZ color 71.2958, 88.0735, 93.3630 looks on a white background.

Color Contrast Check

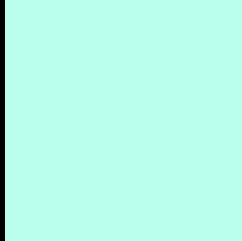
Large Text (above 18pt) WCAG AA × Fail

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 71.2958, 88.0735, 93.3630 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

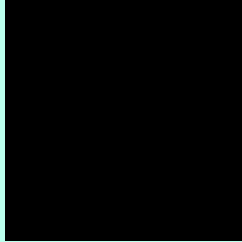
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

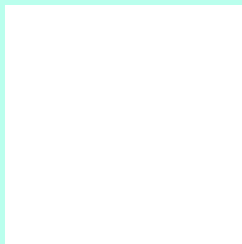
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 71.2958, 88.0735, 93.3630

Background



This preview shows how black text looks on a background with the XYZ color 71.2958, 88.0735, 93.3630.



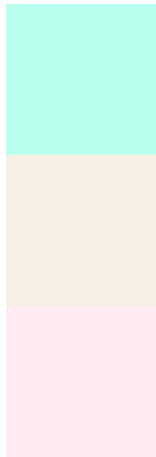
This preview shows how white text looks on a background with the XYZ color 71.2958, 88.0735,

93.3630.

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

71.2958, 88.0735, 93.3630

Protanopia

83.2279, 87.1086, 85.8258

Deuteranopia

86.8255, 87.0275, 95.4409



Tritanopia

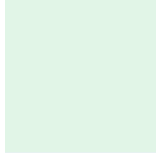
79.9158, 87.5849, 107.3013

Trichromacy



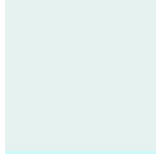
Original Color

71.2958, 88.0735, 93.3630



Protanomaly

78.1275, 87.0819, 88.2920



Deuteranomaly

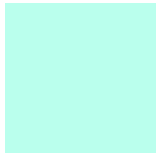
80.1134, 86.6185, 94.9347



Tritanomaly

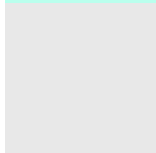
76.5511, 87.7941, 101.7182

Monochromacy



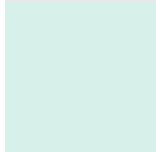
Original Color

71.2958, 88.0735, 93.3630



Achromatopsia

76.7008, 80.6952, 87.8771



Achromatomaly

74.0357, 82.7078, 89.9040

CSS Examples

Text

The CSS property to change the color of the text to XYZ 71.2958, 88.0735, 93.3630 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(186, 255, 237)` looks like.

```
.text, #text, p{  
    color:rgb(186, 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(186, 255, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 255, 237) }
```

Border

The CSS property to change the border of an element to XYZ 71.2958, 88.0735, 93.3630 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(186, 255, 237) }
```


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

```
.border{ border-color:rgb(186, 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(186, 255, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 255, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 255, 237);  
box-shadow:4px 4px 4px 4px rgb(186, 255,  
237) }
```

Background

The CSS property to change the background color of an element to XYZ 71.2958, 88.0735, 93.3630 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 255, 237) }
```

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

```
.background{ background-color: rgb(186,  
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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