

Converting Colors

XYZ(71.3665, 88.1784, 90.2768)

Have a look what the booklet for
XYZ(71.3665, 88.1784, 90.2768)
contains.

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Color

**XYZ(71.4542, 88.2220,
90.3533)**

Conversions

Conversions Part 1

Format	Color
Hex	<code>BDFFE9</code>
RGB	<code>189, 255, 233</code>
RGB Percent	<code>74%, 100%, 91%</code>
CMY	<code>0.2588, 0.0000, 0.0863</code>
CMYK	<code>0.26, 0.00, 0.09, 0.00</code>
HSL	<code>160°, 100%, 87%</code>
HSV	<code>160°, 26%, 100%</code>
XYZ	<code>71.4542, 88.2220, 90.3533</code>
YIQ	<code>232.7580, -32.2740, -20.8340</code>

Conversions

Conversions Part 2

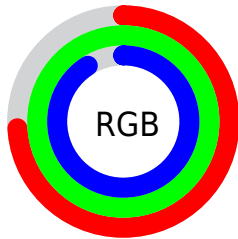
Format	Color
RYB	189, 229, 255
Decimal	12451817
CIELab	95.25, -24.91, 3.88
CIELCh	95, 25.206, 171.155
Yxy	88.2220, 0.2858, 0.3528
Android (android.graphics.Color)	4290641897 (0xFFBDFFE9)
YUV	232.7580, 0.1193, -38.3758
Hunter-Lab	93.9266, -28.5784, 8.7142

Details

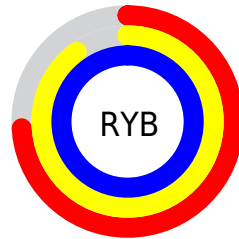
The XYZ color **71.4542, 88.2220, 90.3533** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **71.1960, 62.3593, 69.9124**, and the grayscale version is **77.2864, 81.3113, 88.5480**.

A 20% lighter version of the original color is **91.8160, 98.3328, 108.7487**, and **37.9614, 48.6308, 48.9809** is the 20% darker color. If you saturate the color by 10%, you get **64.4901, 84.7688, 83.8417**, and if you desaturate by 10%, it is **79.5906, 92.2727, 97.2279**.

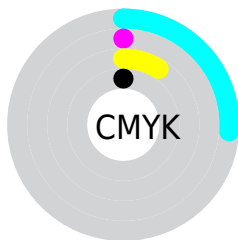
Distribution



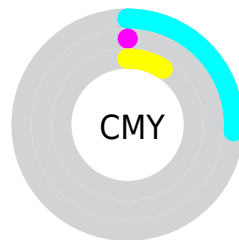
- Red (74%)
- Green (100%)
- Blue (91%)



- Red (74%)
- Yellow (90%)
- Blue (100%)



- Cyan (26%)
- Magenta (0%)
- Yellow (9%)
- Black (0%)





- Cyan (26%)
- Magenta (0%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 71.4542, 88.2220, 90.3533 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 71.4542, 88.2220, 90.3533 by changing the saturation by 10% instead.

 71.4542, 88.2220,
90.3533

 71.4542, 88.2220,
90.3533


454.8268,
522.2300, 549.7792

 52.9968, 66.5069,
67.6983


 120.2952,
144.8662, 149.7689

 38.0277, 48.6840,
49.1872


151.4096,
180.5641, 187.3665

 26.1815, 34.3689,
34.4014

187.4736,
221.6918, 230.7822

 17.0929, 23.1771,
22.9223

228.8527,
268.6336, 280.4344

 10.3964, 14.7244,
14.3313

275.9123,
321.7739, 336.7416

 5.7269, 8.6262,
8.2101

329.0175,

 2.7188, 4.4982,

381.4971, 400.1225

4.1400

388.5339,
448.1877, 470.9955

■ 1.0069, 1.9559,
1.7025

■ 0.0000, 0.5817,
0.3624

■ 71.4542, 88.2220,
90.3533

■ 71.4542, 88.2220,
90.3533

■ 64.4901, 84.7688,
83.8417

■ 79.5906, 92.2727,
97.2279

■ 58.6366, 81.8815,
77.6819

■ 88.9514, 96.9478,
104.4679

■ 53.8303, 79.5274,
71.8677

95.0500, 100.0000,
108.9000

■ 49.9999, 77.6700,
66.3916

■ 47.0650, 76.2679,
61.2452

■ 44.9316, 75.2727,
56.4194

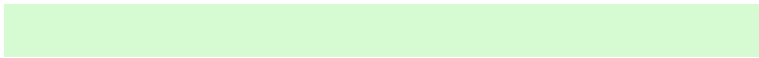
■ 43.4833, 74.6245,
51.9040

■ 43.0161, 74.4224,
50.1302

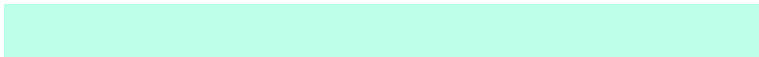
Harmonies

Analogous

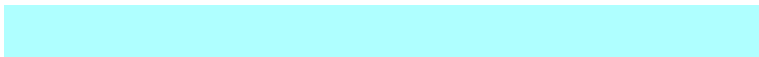
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



73.9701, 88.2220, 74.2117



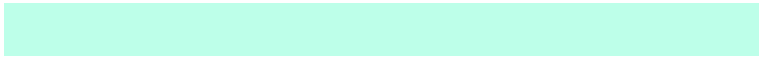
71.4542, 88.2220, 90.3533



72.1159, 88.2220, 110.3834

Triad

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



71.4542, 88.2220, 90.3533



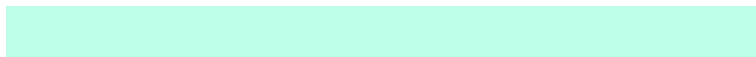
88.7153, 88.2220, 135.8786



92.4219, 88.2220, 69.4812

Complementary

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



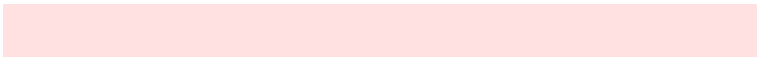
71.4542, 88.2220, 90.3533



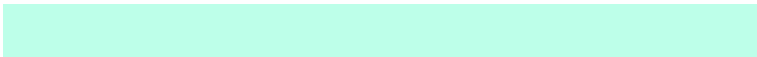
71.1960, 62.3593, 69.9124

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.



96.7978, 88.2220, 83.0303



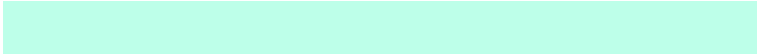
71.4542, 88.2220, 90.3533



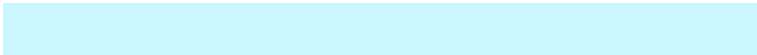
94.5778, 88.2220, 121.8208

Square

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



71.4542, 88.2220, 90.3533



81.8358, 88.2220, 138.5444



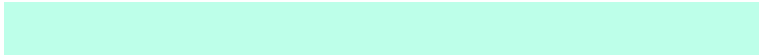
97.6076, 88.2220, 101.9995



85.9018, 88.2220, 63.2897

Rectangle

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



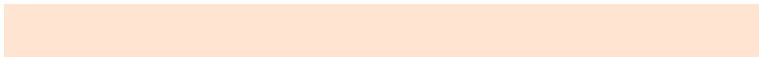
71.4542, 88.2220, 90.3533



74.2858, 88.2220, 123.1966



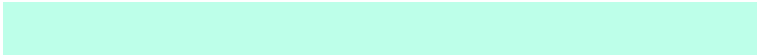
97.6076, 88.2220, 101.9995



94.2069, 88.2220, 73.2311

Sweetspot

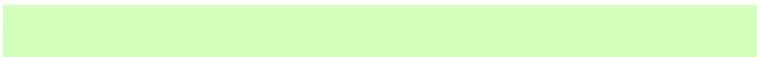
The Sweet Spot groups the original color and five complimentary colors.



71.4551, 88.2224, 90.3548



86.8634, 95.9039, 102.9031



71.8099, 89.0433, 61.5477



18.2823, 20.3725, 21.7898



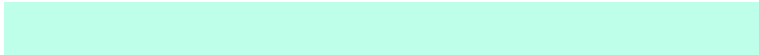
0.0000, 0.0000, 0.0000



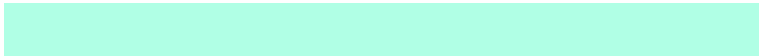
20.3446, 21.4041, 23.3091

Same Dimension

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



71.4551, 88.2224, 90.3548



67.7474, 86.3820, 86.9765



71.3876, 82.7407, 106.8158



18.2823, 20.3725, 21.7898



22.5490, 38.9162, 26.5742



2.2463, 3.8094, 2.8547

Inverse Universe

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



71.1960, 62.3593, 69.9124



67.4516, 56.5695, 63.4266



71.0803, 66.2436, 57.1853



18.2591, 18.0869, 19.9815



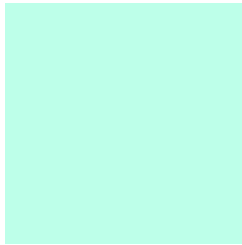
22.4670, 11.4761, 5.8437



2.2358, 1.1367, 0.8232

Previews

White Background



This preview shows how the XYZ color 71.4542, 88.2220, 90.3533 looks on a white background.

Color Contrast Check

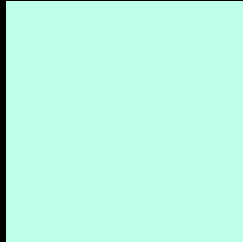
Large Text (above 18pt) WCAG AA × Fail

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 71.4542, 88.2220, 90.3533 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

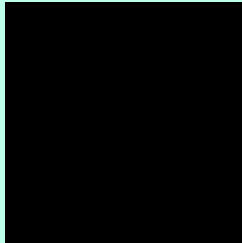
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

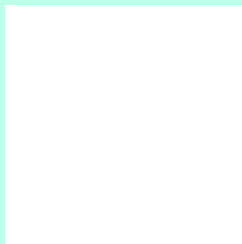
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 71.4542, 88.2220, 90.3533

Background



This preview shows how black text looks on a background with the XYZ color 71.4542, 88.2220, 90.3533.

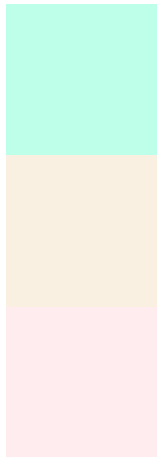


This preview shows how white text looks on a background with the XYZ color 71.4542, 88.2220,

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

71.4542, 88.2220, 90.3533

Protanopia

83.8176, 87.8962, 83.7822

Deuteranopia

86.8154, 87.4829, 93.9716



Tritanopia

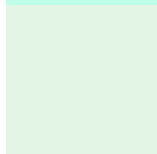
80.5212, 87.8970, 107.3296

Trichromacy



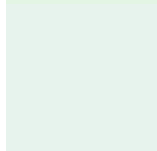
Original Color

71.4542, 88.2220, 90.3533



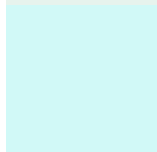
Protanomaly

78.3346, 87.2371, 86.1086



Deuteranomaly

80.2917, 87.2045, 92.7211



Tritanomaly

76.9587, 88.0221, 100.9295

Monochromacy



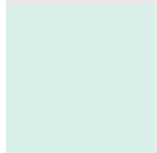
Original Color

71.4542, 88.2220, 90.3533



Achromatopsia

77.4512, 81.4847, 88.7368



Achromatomaly

74.7785, 83.5455, 89.2754

CSS Examples

Text

The CSS property to change the color of the text to XYZ 71.4542, 88.2220, 90.3533 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(189, 255, 233)` looks like.

```
.text, #text, p{  
    color:rgb(189, 255, 233)  
}
```

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(189, 255, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 255, 233) }
```

Border

The CSS property to change the border of an element to XYZ 71.4542, 88.2220, 90.3533 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(189, 255, 233) }
```


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

```
.border{ border-color:rgb(189, 255, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 255, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 255, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 255, 233);  
box-shadow:4px 4px 4px 4px rgb(189, 255,  
233) }
```

Background

The CSS property to change the background color of an element to XYZ 71.4542, 88.2220, 90.3533 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 255, 233) }
```

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

```
.background{ background-color: rgb(189,  
255, 233) }
```

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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