

Converting Colors

XYZ(75.5725, 90.3216, 91.6040)

Have a look what the booklet for
XYZ(75.5725, 90.3216, 91.6040)
contains.

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Color

**XYZ(75.5131, 90.2979,
91.2912)**

Conversions

Conversions Part 1

Format	Color
Hex	CCFFEA
RGB	204, 255, 234
RGB Percent	80%, 100%, 92%
CMY	0.2000, 0.0000, 0.0823
CMYK	0.20, 0.00, 0.08, 0.00
HSL	155°, 100%, 90%
HSV	155°, 20%, 100%
XYZ	75.5131, 90.2979, 91.2912
YIQ	237.3570, -23.6550, -17.3430

Conversions

Conversions Part 2

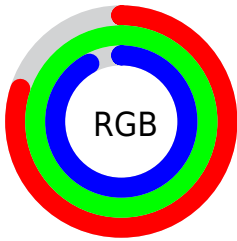
Format	Color
RYB	204, 236, 255
Decimal	13434858
CIELab	96.12, -20.19, 4.72
CIElCh	96, 20.732, 166.839
Yxy	90.2979, 0.2937, 0.3512
Android (android.graphics.Color)	4291624938 (0xFFCCFFEA)
YUV	237.3570, -1.6550, -29.2541
Hunter-Lab	95.0252, -24.4466, 9.5574

Details

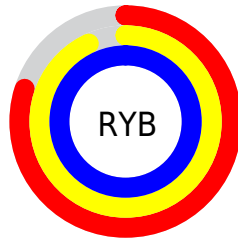
The XYZ color **75.5131, 90.2979, 91.2912** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **76.4239, 69.8829, 80.6950**, and the grayscale version is **80.7964, 85.0041, 92.5695**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **40.6244, 49.9921, 49.6278** is the 20% darker color. If you saturate the color by 10%, you get **67.6226, 86.3993, 83.2804**, and if you desaturate by 10%, it is **84.6389, 94.8229, 99.8293**.

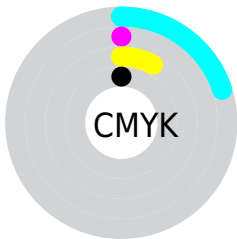
Distribution



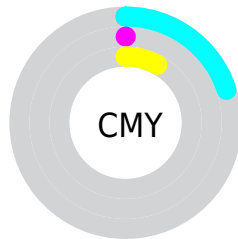
- Red (80%)
- Green (100%)
- Blue (92%)



- Red (80%)
- Yellow (93%)
- Blue (100%)



- Cyan (20%)
- Magenta (0%)
- Yellow (8%)
- Black (0%)





- Cyan (20%)
- Magenta (0%)
- Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 75.5131, 90.2979, 91.2912 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 75.5131, 90.2979, 91.2912 by changing the saturation by 10% instead.


 75.5131, 90.2979,
91.2912

 75.5131, 90.2979,
91.2912


468.6494,
528.9994, 552.9003

 56.3290, 68.2277,
68.4723

126.0224,
147.7521, 151.0818

 40.7048, 50.0830,
49.8130


158.0784,
183.9050, 188.8906

 28.2751, 35.4794,
34.8947


195.1557,
225.5209, 232.5331

 18.6747, 24.0324,
23.2989

237.6196,
272.9842, 282.4278

 11.5381, 15.3576,
14.6070

285.8356,
326.6793, 338.9934

 6.4999, 9.0708,
8.4005

340.1690,

 3.1949, 4.7874,

386.9906, 402.6483

4.2608

400.9851,
454.3025, 473.8111

■ 1.2576, 2.1231,
1.7695

■ 0.1512, 0.6775,
0.4077

■ 75.5131, 90.2979,
91.2912

■ 75.5131, 90.2979,
91.2912

■ 67.6226, 86.3993,
83.2804

■ 84.6389, 94.8229,
99.8293

■ 60.9079, 83.0967,
75.7819

95.0500, 100.0000,
108.9000

■ 55.3078, 80.3588,
68.7860

■ 50.7546, 78.1509,
62.2812

■ 47.1729, 76.4341,
56.2551

■ 44.4765, 75.1643,
50.6947

■ 42.5629, 74.2889,
45.5861

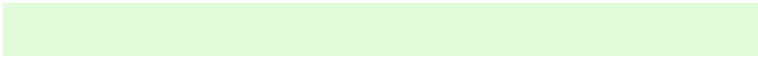
■ 41.2656, 73.7222,
40.9118

■ 41.2655, 73.7222,
40.9114

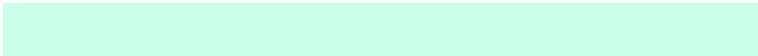
Harmonies

Analogous

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



78.0179, 90.2979, 78.2290



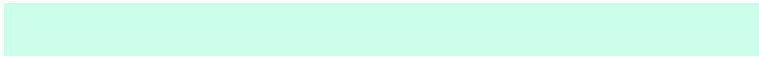
75.5131, 90.2979, 91.2912



75.6817, 90.2979, 107.7706

Triad

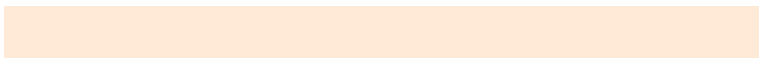
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



75.5131, 90.2979, 91.2912



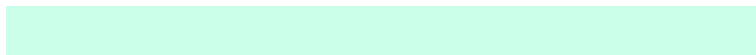
89.0651, 90.2979, 131.8102



93.6049, 90.2979, 77.0025

Complementary

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



75.5131, 90.2979, 91.2912



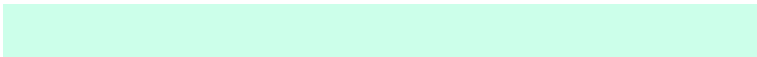
76.4239, 69.8829, 80.6950

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.



96.8373, 90.2979, 89.4369



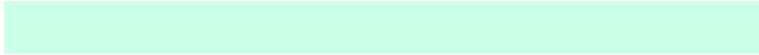
75.5131, 90.2979, 91.2912



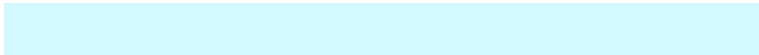
94.1372, 90.2979, 121.5840

Square

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



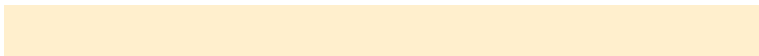
75.5131, 90.2979, 91.2912



83.3351, 90.2979, 132.4503



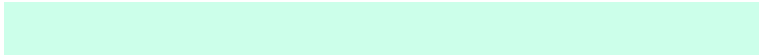
97.0363, 90.2979, 105.6987



88.3649, 90.2979, 70.6213

Rectangle

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



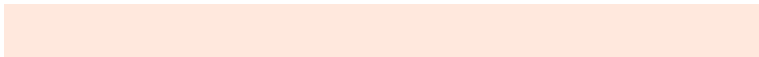
75.5131, 90.2979, 91.2912



77.2856, 90.2979, 118.5314



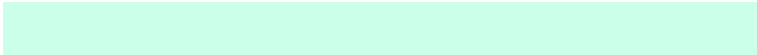
97.0363, 90.2979, 105.6987



94.9723, 90.2979, 80.5459

Sweetspot

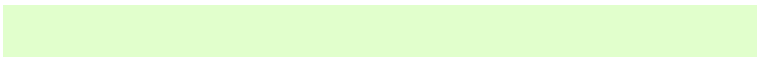
The Sweet Spot groups the original color and five complimentary colors.



75.5139, 90.2983, 91.2927



88.6456, 96.8137, 103.3925



77.7890, 91.9277, 70.7719



18.8307, 20.6510, 22.0044



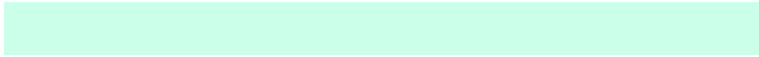
0.0000, 0.0000, 0.0000



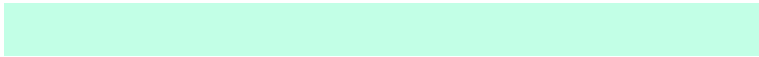
20.3446, 21.4041, 23.3091

Same Dimension

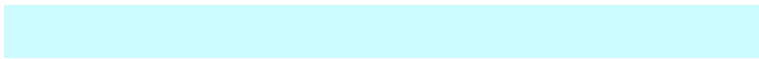
The Same Dimension uses a secret algorithm to generate beautiful new colors.



75.5139, 90.2983, 91.2927



72.2119, 88.6649, 88.0248



77.3716, 88.8960, 107.6885



18.2199, 20.3475, 21.4609



21.6382, 38.5519, 21.7776



2.1612, 3.7754, 2.4066

Inverse Universe

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



76.4239, 69.8829, 80.6950



73.2733, 64.8690, 75.6760



74.7566, 70.8544, 66.8641



18.3195, 18.1111, 20.2995



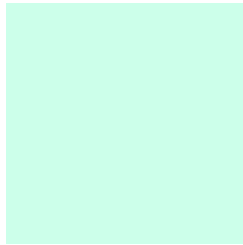
22.9508, 11.6696, 8.3915



2.2874, 1.1573, 1.0947

Previews

White Background



This preview shows how the XYZ color 75.5131, 90.2979, 91.2912 looks on a white background.

Color Contrast Check

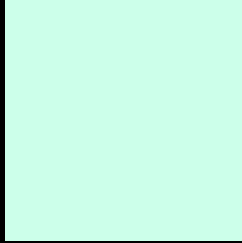
Large Text (above 18pt) WCAG AA × Fail

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 75.5131, 90.2979, 91.2912 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

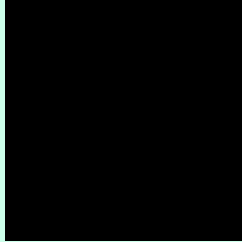
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

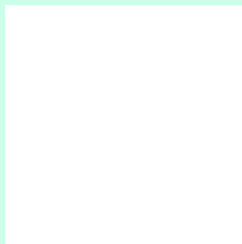
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 75.5131, 90.2979, 91.2912

Background



This preview shows how black text looks on a background with the XYZ color 75.5131, 90.2979, 91.2912.



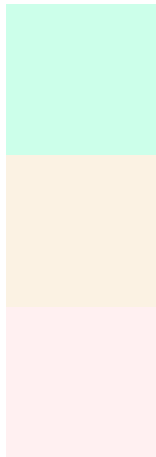
This preview shows how white text looks on a background with the XYZ color 75.5131, 90.2979,

91.2912.

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

75.5131, 90.2979, 91.2912

Protanopia

85.4009, 89.5595, 85.4587

Deuteranopia

88.2773, 89.9311, 95.9248



Tritanopia

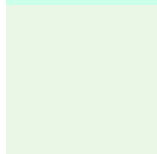
83.6389, 89.9545, 107.5625

Trichromacy



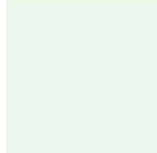
Original Color

75.5131, 90.2979, 91.2912



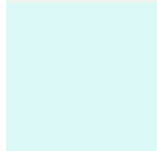
Protanomaly

81.4754, 89.7271, 87.8878



Deuteranomaly

82.6771, 89.3107, 93.7701



Tritanomaly

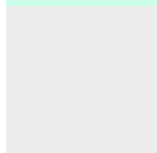
80.4830, 89.8389, 101.0944

Monochromacy



Original Color

75.5131, 90.2979, 91.2912



Achromatopsia

80.4953, 84.6873, 92.2245



Achromatomaly

78.5423, 86.7650, 91.9646

CSS Examples

Text

The CSS property to change the color of the text to XYZ 75.5131, 90.2979, 91.2912 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(204, 255, 234)` looks like.

```
.text, #text, p{  
    color:rgb(204, 255, 234)  
}
```

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(204, 255, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 255, 234) }
```

Border

The CSS property to change the border of an element to XYZ 75.5131, 90.2979, 91.2912 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(204, 255, 234) }
```


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

```
.border{ border-color:rgb(204, 255, 234) }
```

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

Here you see how a box with a 4 pixel rgb(204, 255, 234) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 255, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 255, 234);  
box-shadow:4px 4px 4px 4px rgb(204, 255,  
234) }
```

Background

The CSS property to change the background color of an element to XYZ 75.5131, 90.2979, 91.2912 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 255, 234) }
```

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

```
.background{ background-color: rgb(204,  
255, 234) }
```

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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