

Converting Colors

XYZ(74.8925, 90.0513, 87.9468)

Have a look what the booklet for
XYZ(74.8925, 90.0513, 87.9468)
contains.

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Color

**XYZ(74.9448, 90.0705,
88.2983)**

Conversions

Conversions Part 1

Format	Color
Hex	CCFFE6
RGB	204, 255, 230
RGB Percent	80%, 100%, 90%
CMY	0.2000, 0.0000, 0.0980
CMYK	0.20, 0.00, 0.10, 0.00
HSL	151°, 100%, 90%
HSV	151°, 20%, 100%
XYZ	74.9448, 90.0705, 88.2983
YIQ	236.9010, -22.3710, -18.5870

Conversions

Conversions Part 2

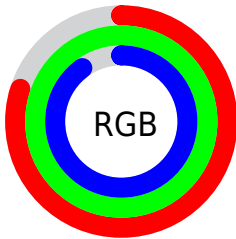
Format	Color
RYB	204, 238, 255
Decimal	13434854
CIELab	96.03, -20.95, 6.64
CIELCh	96, 21.974, 162.407
Yxy	90.0705, 0.2959, 0.3556
Android (android.graphics.Color)	4291624934 (0xFFCCFFE6)
YUV	236.9010, -3.4022, -28.8542
Hunter-Lab	94.9055, -25.1270, 11.2715

Details

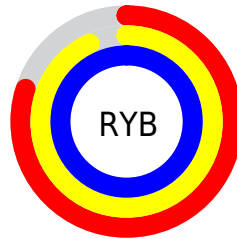
The XYZ color **74.9448, 90.0705, 88.2983** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **76.9763, 70.1039, 83.6032**, and the grayscale version is **80.4575, 84.6476, 92.1812**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **40.3264, 49.8729, 48.0584** is the 20% darker color. If you saturate the color by 10%, you get **66.8254, 86.0804, 79.0819**, and if you desaturate by 10%, it is **84.3361, 94.7017, 98.2342**.

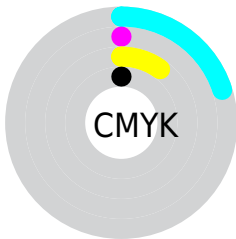
Distribution



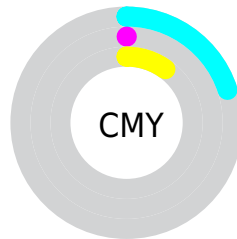
- Red (80%)
- Green (100%)
- Blue (90%)



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



- Cyan (20%)
- Magenta (0%)
- Yellow (10%)
- Black (0%)





- Cyan (20%)
- Magenta (0%)
- Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 74.9448, 90.0705, 88.2983 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 74.9448, 90.0705, 88.2983 by changing the saturation by 10% instead.


 74.9448, 90.0705,
88.2983

 74.9448, 90.0705,
88.2983


466.7279,
528.2602, 542.9062

 55.8617, 68.0391,
66.0044


125.2225,
147.4363, 146.8872

 40.3286, 49.9296,
47.8195


157.1479,
183.5395, 184.0192

 27.9802, 35.3574,
33.3250


194.0847,
225.1022, 226.9344

 18.4511, 23.9383,
22.1024

236.3983,
272.5086, 276.0513

 11.3760, 15.2879,
13.7331

284.4541,
326.1432, 331.7883

 6.3895, 9.0217,
7.7986

338.6174,

 3.1262, 4.7553,

386.3904, 394.5641

3.8805

399.2535,
453.6346, 464.7973

■ 1.2209, 2.1044,
1.5600

■ 0.1227, 0.6671,
0.2620

■ 74.9448, 90.0705,
88.2983

■ 74.9448, 90.0705,
88.2983

■ 66.8254, 86.0804,
79.0819

■ 84.3361, 94.7017,
98.2342

■ 59.9171, 82.7004,
70.5643

95.0500, 100.0000,
108.9000

■ 54.1577, 79.8988,
62.7297

■ 49.4783, 77.6404,
55.5604

■ 45.8023, 75.8859,
49.0375

■ 43.0421, 74.5906,
43.1413

■ 41.0939, 73.7013,
37.8504

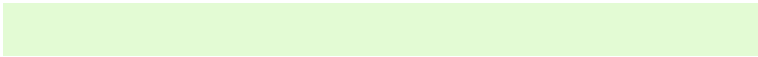
■ 39.7897, 73.1319,
33.1398

■ 39.7896, 73.1318,
33.1394

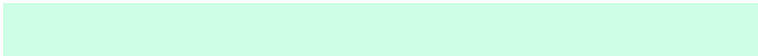
Harmonies

Analogous

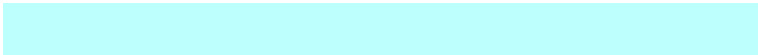
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.9668, 90.0705, 75.3746



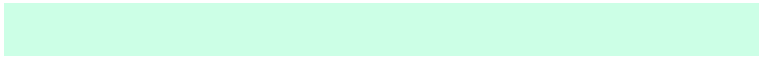
74.9448, 90.0705, 88.2983



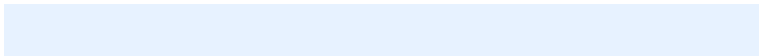
74.6946, 90.0705, 105.4402

Triad

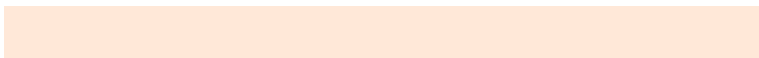
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



74.9448, 90.0705, 88.2983



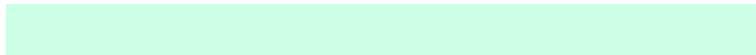
88.1450, 90.0705, 134.5285



94.5322, 90.0705, 77.1859

Complementary

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



74.9448, 90.0705, 88.2983



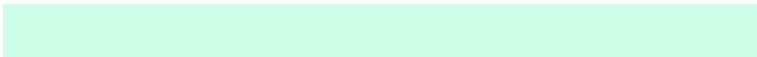
76.9763, 70.1039, 83.6032

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.



97.5386, 90.0705, 91.0543



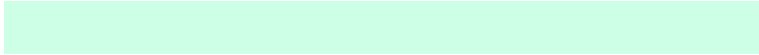
74.9448, 90.0705, 88.2983



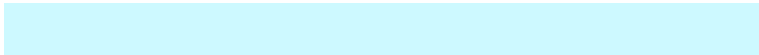
93.7356, 90.0705, 124.9205

Square

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



74.9448, 90.0705, 88.2983



82.1251, 90.0705, 133.5631



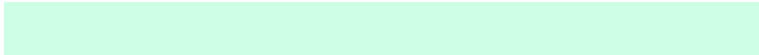
97.2404, 90.0705, 108.5404



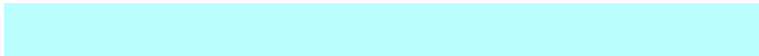
89.1907, 90.0705, 69.5001

Rectangle

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



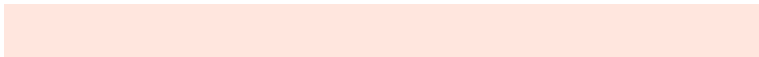
74.9448, 90.0705, 88.2983



76.1163, 90.0705, 117.1260



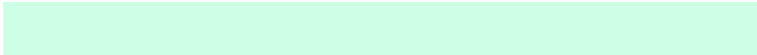
97.2404, 90.0705, 108.5404



95.8605, 90.0705, 81.2044

Sweetspot

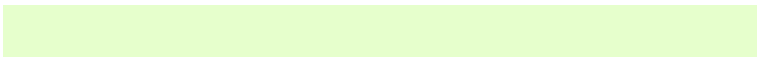
The Sweet Spot groups the original color and five complimentary colors.



74.9457, 90.0710, 88.2998



88.4592, 96.7391, 102.4112



79.1326, 92.6203, 70.8349



18.7866, 20.6334, 21.7725



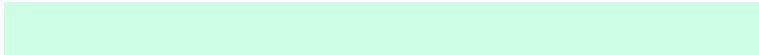
0.0000, 0.0000, 0.0000



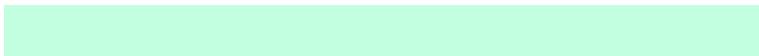
20.3446, 21.4041, 23.3091

Same Dimension

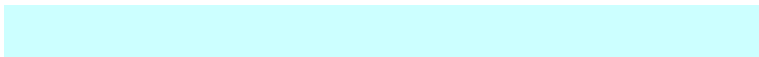
The Same Dimension uses a secret algorithm to generate beautiful new colors.



74.9457, 90.0710, 88.2998



71.5476, 88.3992, 84.5267



78.7124, 91.5777, 108.1354



18.1581, 20.3228, 21.1354



20.8666, 38.2432, 17.7146



2.0869, 3.7457, 2.0155

Inverse Universe

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



76.9763, 70.1039, 83.6032



73.9146, 65.1255, 79.0529



73.7327, 68.8065, 66.5230



18.3805, 18.1355, 20.6208



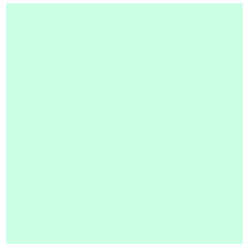
23.5578, 11.9124, 11.5878



2.3487, 1.1819, 1.4179

Previews

White Background



This preview shows how the XYZ color 74.9448, 90.0705, 88.2983 looks on a white background.

Color Contrast Check

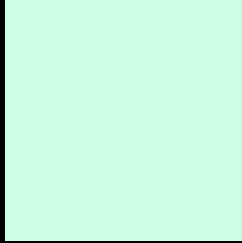
Large Text (above 18pt) WCAG AA × Fail

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 74.9448, 90.0705, 88.2983 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

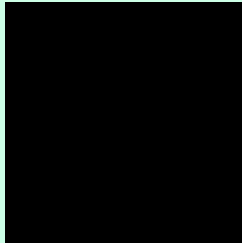
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

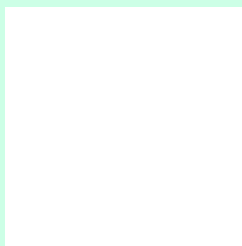
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 74.9448, 90.0705, 88.2983

Background



This preview shows how black text looks on a background with the XYZ color 74.9448, 90.0705, 88.2983.

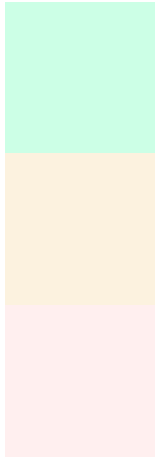


This preview shows how white text looks on a background with the XYZ color 74.9448, 90.0705,

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

74.9448, 90.0705, 88.2983

Protanopia

85.2163, 89.5274, 82.6012

Deuteranopia

87.6865, 89.2250, 94.2619



Tritanopia

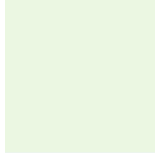
83.6389, 89.9545, 107.5625

Trichromacy



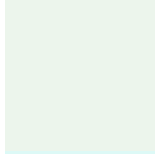
Original Color

74.9448, 90.0705, 88.2983



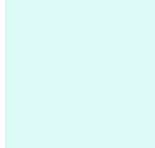
Protanomaly

81.2492, 89.6747, 84.9782



Deuteranomaly

82.3848, 89.1938, 92.2309



Tritanomaly

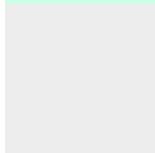
80.3290, 89.7773, 100.2837

Monochromacy



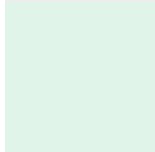
Original Color

74.9448, 90.0705, 88.2983



Achromatopsia

80.4953, 84.6873, 92.2245



Achromatomaly

78.2533, 86.6494, 90.4425

CSS Examples

Text

The CSS property to change the color of the text to XYZ 74.9448, 90.0705, 88.2983 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, 230)` looks like.

```
.text, #text, p{  
    color:rgb(204, 255, 230)  
}
```

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, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 255, 230) }
```

Border

The CSS property to change the border of an element to XYZ 74.9448, 90.0705, 88.2983 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, 230) }
```


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

```
.border{ border-color:rgb(204, 255, 230) }
```

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, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 255, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 255, 230);  
box-shadow:4px 4px 4px 4px rgb(204, 255,  
230) }
```

Background

The CSS property to change the background color of an element to XYZ 74.9448, 90.0705, 88.2983 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, 230) }
```

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

```
.background{ background-color: rgb(204,  
255, 230) }
```

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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