

Converting Colors

XYZ(78.8724, 100.0000,
72.1830)

Have a look what the booklet for
XYZ(78.8724, 100.0000, 72.1830)
contains.

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Color

**XYZ(73.8105, 89.8767,
70.5845)**

Conversions

Conversions Part 1

Format	Color
Hex	D4FFCC
RGB	212, 255, 204
RGB Percent	83%, 100%, 80%
CMY	0.1686, 0.0000, 0.2000
CMYK	0.17, 0.00, 0.20, 0.00
HSL	111°, 100%, 90%
HSV	111°, 20%, 100%
XYZ	73.8105, 89.8767, 70.5845
YIQ	236.3290, -9.2570, -24.9770

Conversions

Conversions Part 2

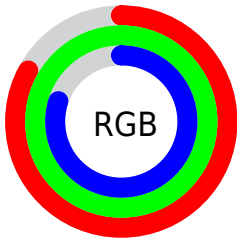
Format	Color
R_{YB}	204, 255, 247
Decimal	13959116
CIE _{Lab}	95.95, -22.94, 19.92
CIE _{LCh}	96, 30.381, 139.038
Yxy	89.8767, 0.3151, 0.3836
Android (android.graphics.Color)	4292149196 (0xFFD4FFCC)
YUV	236.3290, -15.9382, -21.3365
Hunter-Lab	94.8033, -26.9321, 22.2188

Details

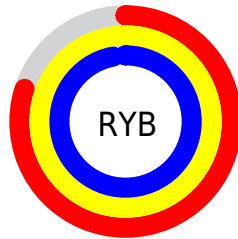
The XYZ color **73.8105, 89.8767, 70.5845** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **78.0015, 70.1811, 104.0429**, and the grayscale version is **80.1039, 84.2755, 91.7760**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **39.6037, 49.7583, 36.3711** is the 20% darker color. If you saturate the color by 10%, you get **65.2070, 85.7663, 55.5021**, and if you desaturate by 10%, it is **83.7414, 94.6134, 88.3455**.

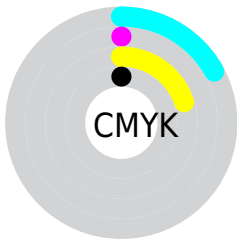
Distribution



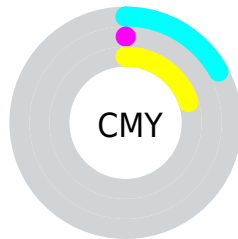
- Red (83%)
- Green (100%)
- Blue (80%)



- Red (80%)
- Yellow (100%)
- Blue (97%)



- Cyan (17%)
- Magenta (0%)
- Yellow (20%)
- Black (0%)





- Cyan (17%)
- Magenta (0%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 73.8105, 89.8767, 70.5845 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 73.8105, 89.8767, 70.5845 by changing the saturation by 10% instead.


 73.8105, 89.8767,
70.5845

 73.8105, 89.8767,
70.5845


462.8795,
527.6297, 481.4441

 54.9297, 67.8784,
51.5234


123.6241,
147.1671, 121.7308

 39.5790, 49.7988,
36.2457


155.2876,
183.2280, 154.6532

 27.3932, 35.2536,
24.3329


191.9426,
224.7452, 193.0331

 18.0069, 23.8583,
15.3662


233.9547,
272.1031, 237.2890

 11.0546, 15.2285,
8.9273

281.6890,
325.6861, 287.8395

 6.1712, 8.9799,
4.5977

335.5110,

 2.9911, 4.7281,

385.8786, 345.1032

1.9586

395.7861,
453.0650, 409.4985

■ 1.1491, 2.0886,
0.5297

■ 0.0656, 0.6582,
0.0000

■ 73.8105, 89.8767,
70.5845

■ 73.8105, 89.8767,
70.5845

■ 65.2070, 85.7663,
55.5021

■ 83.7414, 94.6134,
88.3455

■ 57.8723, 82.2551,
42.9646

95.0500, 100.0000,
108.9000

■ 51.7462, 79.3149,
32.8327

■ 46.7626, 76.9150,
24.9524

■ 42.8492, 75.0219,
19.1517

■ 39.9248, 73.5980,
15.2338

■ 37.8963, 72.6004,
12.9643

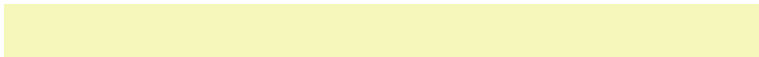
■ 36.6351, 71.9711,
11.9610

■ 36.6350, 71.9711,
11.9609

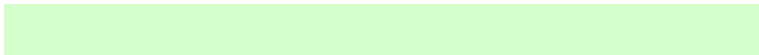
Harmonies

Analogous

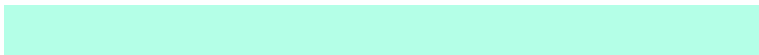
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.2691, 89.8767, 60.3542



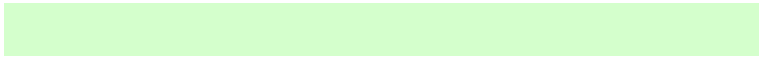
73.8105, 89.8767, 70.5845



70.5428, 89.8767, 89.3332

Triad

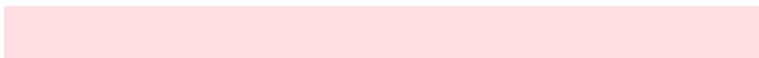
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



73.8105, 89.8767, 70.5845



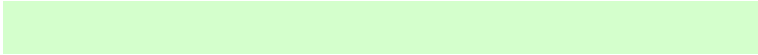
82.3933, 89.8767, 150.6008



101.6041, 89.8767, 83.5474

Complementary

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



73.8105, 89.8767, 70.5845



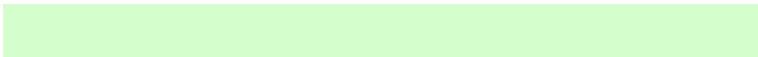
78.0015, 70.1811, 104.0429

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.



102.2658, 89.8767, 106.9138



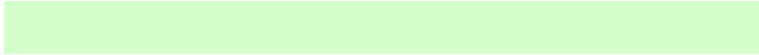
73.8105, 89.8767, 70.5845



90.7973, 89.8767, 148.3668

Square

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



73.8105, 89.8767, 70.5845



75.2778, 89.8767, 137.0689



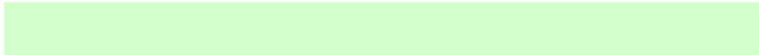
98.1984, 89.8767, 131.3885



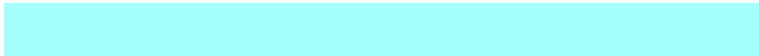
96.4457, 89.8767, 66.9478

Rectangle

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



73.8105, 89.8767, 70.5845



70.4600, 89.8767, 105.3006



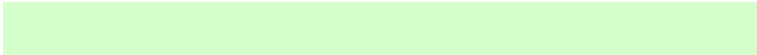
98.1984, 89.8767, 131.3885



102.3719, 89.8767, 90.7793

Sweetspot

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



73.8111, 89.8770, 70.5859



88.0959, 96.6884, 96.2242



85.2475, 91.8361, 70.3613



18.7007, 20.6212, 20.3139



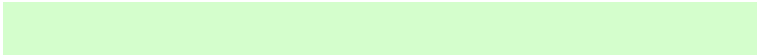
0.0000, 0.0000, 0.0000



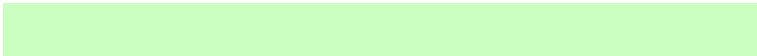
20.3446, 21.4041, 23.3091

Same Dimension

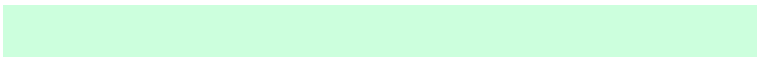
The Same Dimension uses a secret algorithm to generate beautiful new colors.



73.8111, 89.8770, 70.5859



70.2127, 88.1587, 64.2370



73.7138, 89.5782, 81.8128



18.0368, 20.3049, 19.1129



19.2207, 37.6467, 6.2535



1.9445, 3.7032, 0.6123

Inverse Universe

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



78.0015, 70.1811, 104.0429



75.0934, 65.1992, 103.2346



78.2661, 70.6199, 90.3954



18.4964, 18.1476, 22.7779



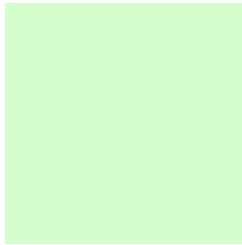
24.1803, 11.3759, 50.3559



2.4263, 1.1447, 4.9063

Previews

White Background



This preview shows how the XYZ color 73.8105, 89.8767, 70.5845 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 73.8105, 89.8767, 70.5845 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

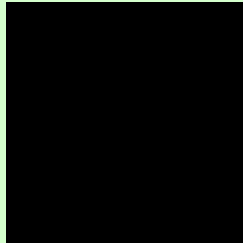
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

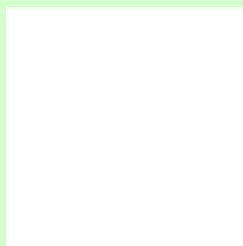
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 73.8105, 89.8767, 70.5845

Background



This preview shows how black text looks on a background with the XYZ color 73.8105, 89.8767, 70.5845.

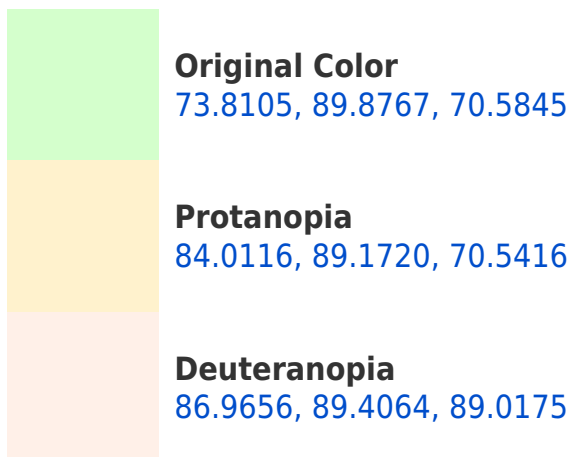


This preview shows how white text looks on a background with the XYZ color 73.8105, 89.8767,

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





Tritanopia

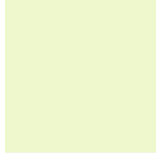
84.3067, 89.8485, 107.5068

Trichromacy



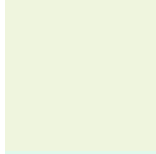
Original Color

73.8105, 89.8767, 70.5845



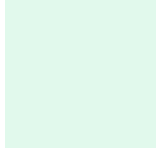
Protanomaly

79.8768, 89.2800, 70.7804



Deuteranomaly

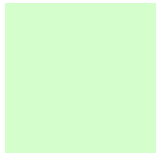
81.4338, 88.9295, 81.9803



Tritanomaly

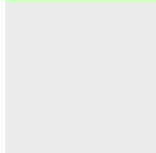
80.0673, 89.8150, 92.4729

Monochromacy



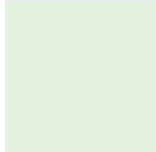
Original Color

73.8105, 89.8767, 70.5845



Achromatopsia

79.7278, 83.8799, 91.3452



Achromatomaly

77.1837, 85.8139, 83.0167

CSS Examples

Text

The CSS property to change the color of the text to XYZ 73.8105, 89.8767, 70.5845 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(212, 255, 204)` looks like.

```
.text, #text, p{  
    color:rgb(212, 255, 204)  
}
```

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(212, 255, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 255, 204) }
```

Border

The CSS property to change the border of an element to XYZ 73.8105, 89.8767, 70.5845 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(212, 255, 204) }
```


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

```
.border{ border-color:rgb(212, 255, 204) }
```

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

Here you see how a box with a 4 pixel rgb(212, 255, 204) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 255, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 255, 204);  
box-shadow:4px 4px 4px 4px rgb(212, 255,  
204) }
```

Background

The CSS property to change the background color of an element to XYZ 73.8105, 89.8767, 70.5845 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 255, 204) }
```

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

```
.background{ background-color: rgb(212,  
255, 204) }
```

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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