

Converting Colors

XYZ(78.8404, 100.0000,
80.4443)

Have a look what the booklet for
XYZ(78.8404, 100.0000, 80.4443)
contains.

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Color

**XYZ(73.6083, 89.5997,
78.3806)**

Conversions

Conversions Part 1

Format	Color
Hex	CEFFD8
RGB	206, 255, 216
RGB Percent	81%, 100%, 85%
CMY	0.1922, 0.0000, 0.1529
CMYK	0.19, 0.00, 0.15, 0.00
HSL	132°, 100%, 90%
HSV	132°, 19%, 100%
XYZ	73.6083, 89.5997, 78.3806
YIQ	235.9030, -16.6850, -22.5170

Conversions

Conversions Part 2

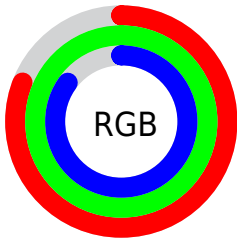
Format	Color
R _{YB}	206, 247, 255
Decimal	13565912
CIE _{Lab}	95.83, -22.87, 13.57
CIE _{LCh}	96, 26.587, 149.319
Yxy	89.5997, 0.3047, 0.3709
Android (android.graphics.Color)	4291755992 (0xFFCEFFD8)
YUV	235.9030, -9.8122, -26.2249
Hunter-Lab	94.6571, -26.8428, 17.1650

Details

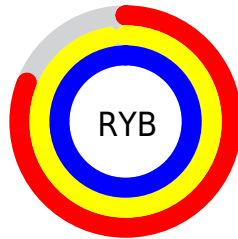
The XYZ color **73.6083, 89.5997, 78.3806** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **79.7931, 71.9960, 96.0771**, and the grayscale version is **79.7361, 83.8885, 91.3546**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **39.3896, 49.5407, 41.2045** is the 20% darker color. If you saturate the color by 10%, you get **64.6298, 85.2558, 65.0991**, and if you desaturate by 10%, it is **84.0608, 94.6660, 93.4256**.

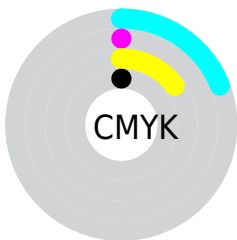
Distribution



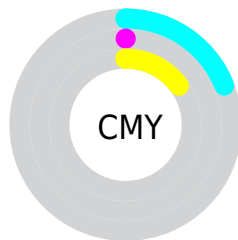
- Red (81%)
- Green (100%)
- Blue (85%)



- Red (81%)
- Yellow (97%)
- Blue (100%)



- Cyan (19%)
- Magenta (0%)
- Yellow (15%)
- Black (0%)



- Cyan (19%)
- Magenta (0%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 73.6083, 89.5997, 78.3806 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 73.6083, 89.5997, 78.3806 by changing the saturation by 10% instead.

73.6083, 89.5997,
78.3806

73.6083, 89.5997,
78.3806

462.1916,
526.7278, 509.0206

54.7637, 67.6487,
57.8684

123.3389,
146.7822, 132.8773

39.4456, 49.6120,
41.2888

154.9555,
182.7825, 167.6988

27.2888, 35.1052,
28.2234

191.5602,
224.2347, 208.1271

17.9280, 23.7439,
18.2537

233.5183,
271.5232, 254.5809

10.9977, 15.1438,
10.9609

281.1951,
325.0324, 307.4786

6.1326, 8.9203,
5.9267

334.9560,

2.9673, 4.6893,

385.1466, 367.2387

2.7325

395.1664,
452.2503, 434.2799

■ 1.1365, 2.0661,
0.9597

■ 0.0553, 0.6455,
0.0000

■ 73.6083, 89.5997,
78.3806

■ 73.6083, 89.5997,
78.3806

■ 64.6298, 85.2558,
65.0991

■ 84.0608, 94.6660,
93.4256

■ 57.0562, 81.6000,
53.5125

95.0500, 100.0000,
108.9000

■ 50.8157, 78.5969,
43.5535

■ 45.8296, 76.2073,
35.1491

■ 42.0103, 74.3878,
28.2205

■ 39.2589, 73.0892,
22.6819

■ 37.4591, 72.2534,
18.4387

■ 36.4424, 71.7959,
15.3828

■ 36.3808, 71.7683,
15.1892

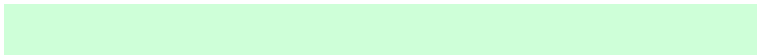
Harmonies

Analogous

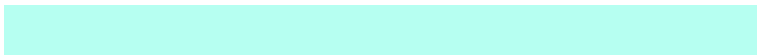
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



78.4461, 89.5997, 66.4313



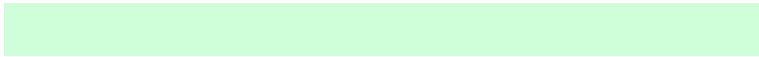
73.6083, 89.5997, 78.3806



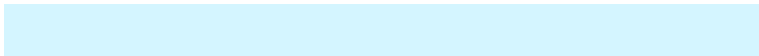
71.8338, 89.5997, 97.0798

Triad

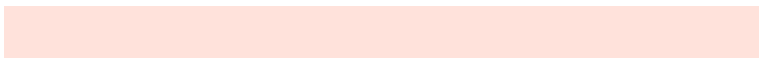
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



73.6083, 89.5997, 78.3806



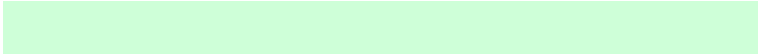
84.9944, 89.5997, 143.7343



98.0491, 89.5997, 79.1010

Complementary

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



73.6083, 89.5997, 78.3806



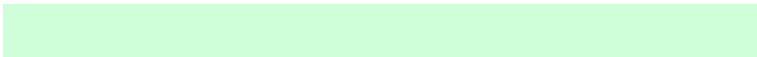
79.7931, 71.9960, 96.0771

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.



100.0442, 89.5997, 98.0395



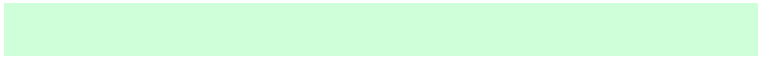
73.6083, 89.5997, 78.3806



92.2502, 89.5997, 137.1479

Square

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



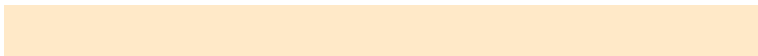
73.6083, 89.5997, 78.3806



78.1717, 89.5997, 136.5466



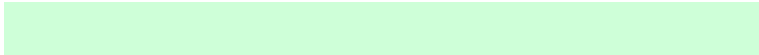
97.8652, 89.5997, 119.6350



92.5567, 89.5997, 66.8034

Rectangle

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



73.6083, 89.5997, 78.3806



72.5436, 89.5997, 111.5286



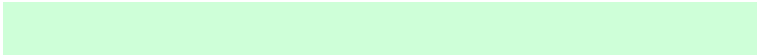
97.8652, 89.5997, 119.6350



99.1645, 89.5997, 84.8072

Sweetspot

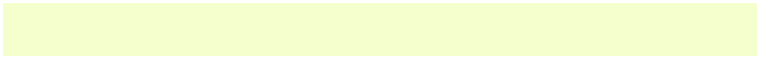
The Sweet Spot groups the original color and five complimentary colors.



73.6090, 89.6000, 78.3820



87.7443, 96.4532, 98.6464



84.6269, 95.4248, 72.3522



18.6179, 20.5659, 20.8841



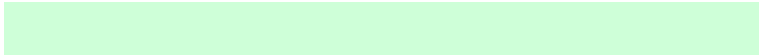
0.0000, 0.0000, 0.0000



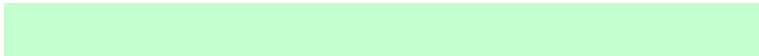
20.3446, 21.4041, 23.3091

Same Dimension

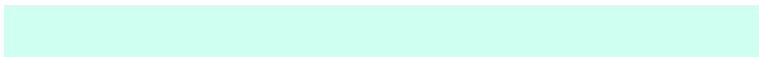
The Same Dimension uses a secret algorithm to generate beautiful new colors.



73.6090, 89.6000, 78.3820



70.0407, 87.8726, 73.1508



76.9870, 90.9512, 96.1700



17.9231, 20.2288, 19.8983



19.0521, 37.5174, 8.1598



1.8920, 3.6677, 0.9894

Inverse Universe

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



79.7931, 71.9960, 96.0771



77.2412, 67.3708, 93.7505



76.3231, 70.6080, 77.8041



18.6245, 18.2331, 21.9056



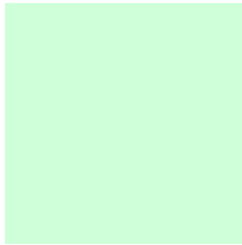
27.2341, 13.3829, 30.9469



2.6899, 1.3183, 3.2146

Previews

White Background



This preview shows how the XYZ color 73.6083, 89.5997, 78.3806 looks on a white background.

Color Contrast Check

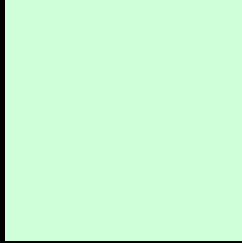
Large Text (above 18pt) WCAG AA × Fail

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 73.6083, 89.5997, 78.3806 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

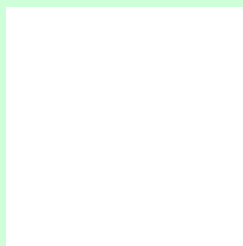
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 73.6083, 89.5997, 78.3806

Background



This preview shows how black text looks on a background with the XYZ color 73.6083, 89.5997, 78.3806.



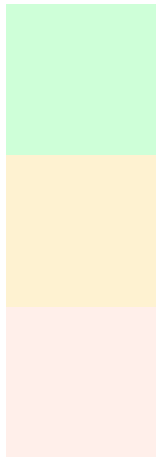
This preview shows how white text looks on a background with the XYZ color 73.6083, 89.5997,

78.3806.

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

73.6083, 89.5997, 78.3806

Protanopia

84.1338, 89.1785, 73.1005

Deuteranopia

86.9578, 88.9335, 90.4246



Tritanopia

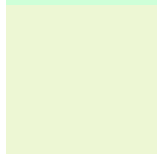
83.3355, 89.3478, 107.4613

Trichromacy



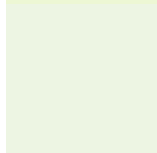
Original Color

73.6083, 89.5997, 78.3806



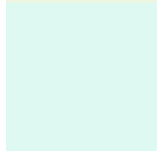
Protanomaly

80.0695, 89.2795, 75.2999



Deuteranomaly

81.4426, 88.8554, 85.5314



Tritanomaly

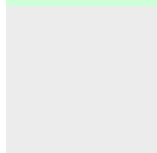
79.5717, 89.4744, 96.2955

Monochromacy



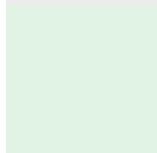
Original Color

73.6083, 89.5997, 78.3806



Achromatopsia

79.7278, 83.8799, 91.3452



Achromatomaly

77.2448, 85.7659, 86.6120

CSS Examples

Text

The CSS property to change the color of the text to XYZ 73.6083, 89.5997, 78.3806 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(206, 255, 216)` looks like.

```
.text, #text, p{  
    color:rgb(206, 255, 216)  
}
```

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(206, 255, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 255, 216) }
```

Border

The CSS property to change the border of an element to XYZ 73.6083, 89.5997, 78.3806 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(206, 255, 216) }
```


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

```
.border{ border-color:rgb(206, 255, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 255, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 255, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 255, 216);  
box-shadow:4px 4px 4px 4px rgb(206, 255,  
216) }
```

Background

The CSS property to change the background color of an element to XYZ 73.6083, 89.5997, 78.3806 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 255, 216) }
```

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

```
.background{ background-color: rgb(206,  
255, 216) }
```

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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