

Converting Colors

XYZ(81.2383, 100.0000,
87.3206)

Have a look what the booklet for
XYZ(81.2383, 100.0000, 87.3206)
contains.

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Color

**XYZ(76.6388, 91.0080,
85.4785)**

Conversions

Conversions Part 1

Format	Color
Hex	D4FFE2
RGB	212, 255, 226
RGB Percent	83%, 100%, 89%
CMY	0.1686, 0.0000, 0.1137
CMYK	0.17, 0.00, 0.11, 0.00
HSL	140°, 100%, 92%
HSV	140°, 17%, 100%
XYZ	76.6388, 91.0080, 85.4785
YIQ	238.8370, -16.3190, -18.1350

Conversions

Conversions Part 2

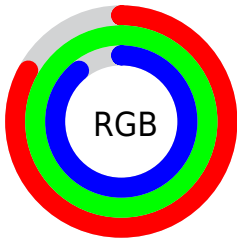
Format	Color
R_{YB}	212, 244, 255
Decimal	13959138
CIE _{Lab}	96.41, -19.16, 9.32
CIE _{LCh}	96, 21.306, 154.070
Yxy	91.0080, 0.3028, 0.3595
Android (android.graphics.Color)	4292149218 (0xFFD4FFE2)
YUV	238.8370, -6.3286, -23.5360
Hunter-Lab	95.3981, -23.5474, 13.6537

Details

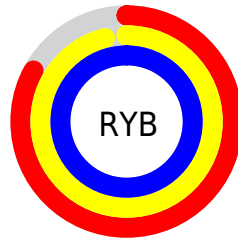
The XYZ color **76.6388, 91.0080, 85.4785** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **80.6610, 74.6986, 93.3858**, and the grayscale version is **81.9736, 86.2426, 93.9182**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.4494, 50.4965, 46.0903** is the 20% darker color. If you saturate the color by 10%, you get **67.6163, 86.6158, 73.3497**, and if you desaturate by 10%, it is **87.0605, 96.0941, 98.9112**.

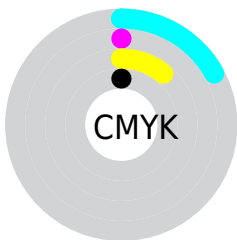
Distribution



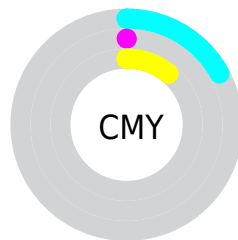
- Red (83%)
- Green (100%)
- Blue (89%)



- Red (83%)
- Yellow (96%)
- Blue (100%)



- Cyan (17%)
- Magenta (0%)
- Yellow (11%)
- Black (0%)




- Cyan (17%)
- Magenta (0%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 76.6388, 91.0080, 85.4785 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 76.6388, 91.0080, 85.4785 by changing the saturation by 10% instead.

 76.6388, 91.0080,
85.4785

 76.6388, 91.0080,
85.4785


472.4425,
531.3044, 533.3959

 57.2554, 68.8170,
63.6844


127.6050,
148.7378, 142.9216

 41.4512, 50.5627,
45.9506


159.9185,
185.0453, 179.4077

 28.8611, 35.8607,
31.8584


197.2728,
226.8271, 221.6282

 19.1195, 24.3266,
20.9895

240.0331,
274.4676, 270.0017

 11.8612, 15.5761,
12.9251

288.5649,
328.3512, 324.9466

 6.7207, 9.2247,
7.2469

343.2335,

 3.3328, 4.8880,

388.8623, 386.8816

3.5362

404.4042,
456.3852, 456.2252

■ 1.3321, 2.1817,
1.3745

■ 0.2071, 0.7100,
0.1217

■ 76.6388, 91.0080,
85.4785

■ 76.6388, 91.0080,
85.4785

■ 67.6163, 86.6158,
73.3497

■ 87.0605, 96.0941,
98.9112

■ 59.9293, 82.8856,
62.4814

95.0500, 100.0000,
108.9000

■ 53.5126, 79.7846,
52.8341

■ 48.2946, 77.2767,
44.3643

■ 44.1960, 75.3220,
37.0264

■ 41.1275, 73.8754,
30.7712

■ 38.9853, 72.8844,
25.5461

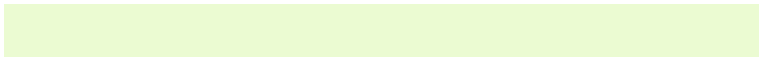
■ 37.6393, 72.2833,
21.2933

■ 37.3224, 72.1450,
20.1476

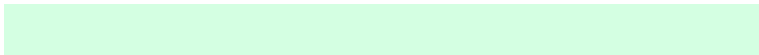
Harmonies

Analogous

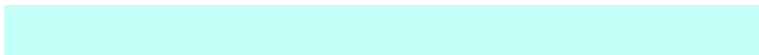
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.2641, 91.0080, 74.4124



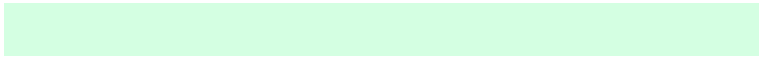
76.6388, 91.0080, 85.4785



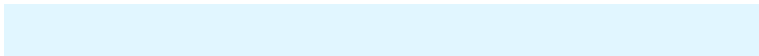
75.6104, 91.0080, 101.4301

Triad

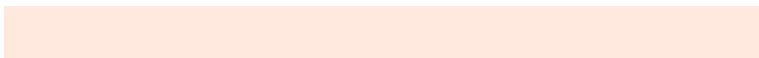
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



76.6388, 91.0080, 85.4785



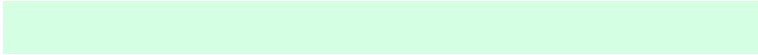
87.3129, 91.0080, 135.3943



96.3009, 91.0080, 81.8891

Complementary

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



76.6388, 91.0080, 85.4785



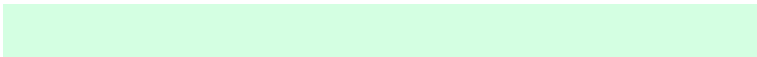
80.6610, 74.6986, 93.3858

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.



98.3888, 91.0080, 96.7906



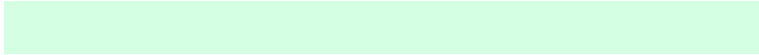
76.6388, 91.0080, 85.4785



93.0516, 91.0080, 128.7021

Square

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



76.6388, 91.0080, 85.4785



81.6062, 91.0080, 131.4833



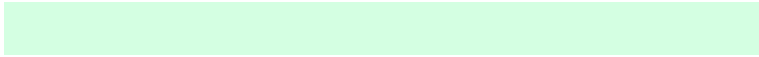
97.1736, 91.0080, 114.0797



91.5864, 91.0080, 72.5123

Rectangle

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



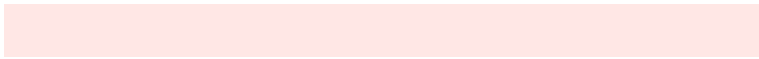
76.6388, 91.0080, 85.4785



76.4946, 91.0080, 113.0274



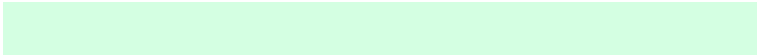
97.1736, 91.0080, 114.0797



97.3428, 91.0080, 86.3523

Sweetspot

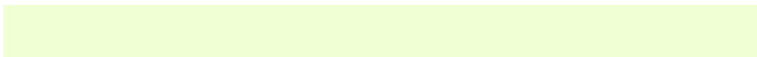
The Sweet Spot groups the original color and five complimentary colors.



76.6396, 91.0084, 85.4799



89.1601, 97.1200, 101.5590



84.0507, 95.0419, 76.2034



18.9131, 20.7042, 21.5228



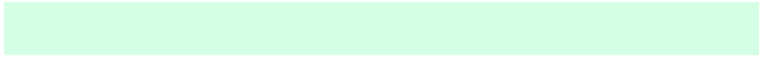
0.0000, 0.0000, 0.0000



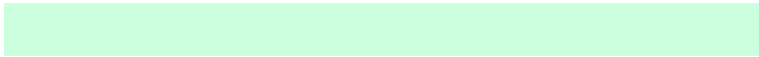
20.3446, 21.4041, 23.3091

Same Dimension

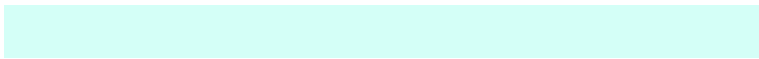
The Same Dimension uses a secret algorithm to generate beautiful new colors.



76.6396, 91.0084, 85.4799



73.6605, 89.5568, 81.5353



79.7184, 92.2399, 101.6928



18.0154, 20.2657, 20.3839



19.5623, 37.7215, 10.8465



1.9524, 3.6919, 1.3074

Inverse Universe

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



80.6610, 74.6986, 93.3858



78.3235, 70.6420, 90.7002



77.6869, 73.5090, 77.7242



18.5263, 18.1938, 21.3888



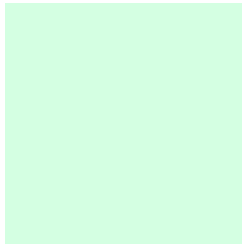
25.5098, 12.6932, 21.8670



2.5340, 1.2560, 2.3937

Previews

White Background



This preview shows how the XYZ color 76.6388, 91.0080, 85.4785 looks on a white background.

Color Contrast Check

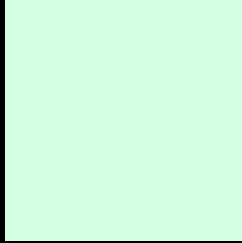
Large Text (above 18pt) WCAG AA × Fail

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 76.6388, 91.0080, 85.4785 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

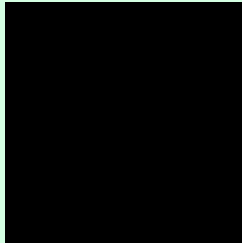
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

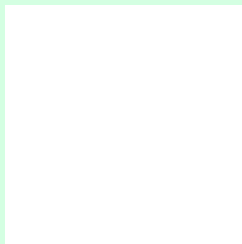
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 76.6388, 91.0080, 85.4785

Background



This preview shows how black text looks on a background with the XYZ color 76.6388, 91.0080, 85.4785.



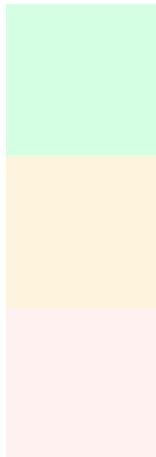
This preview shows how white text looks on a background with the XYZ color 76.6388, 91.0080,

85.4785.

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

76.6388, 91.0080, 85.4785

Protanopia

85.8419, 90.3393, 80.6230

Deuteranopia

88.2753, 90.4026, 94.4582



Tritanopia

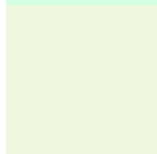
84.9375, 90.6240, 107.6232

Trichromacy



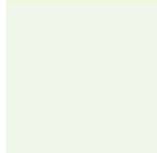
Original Color

76.6388, 91.0080, 85.4785



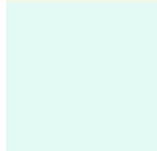
Protanomaly

82.0422, 90.1462, 82.1831



Deuteranomaly

83.4037, 90.2028, 90.8569



Tritanomaly

81.5688, 90.4518, 98.7478

Monochromacy



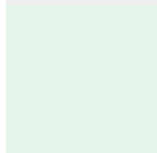
Original Color

76.6388, 91.0080, 85.4785



Achromatopsia

82.0431, 86.3157, 93.9978



Achromatomaly

79.8168, 87.9033, 90.6021

CSS Examples

Text

The CSS property to change the color of the text to XYZ 76.6388, 91.0080, 85.4785 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, 226)` looks like.

```
.text, #text, p{  
    color:rgb(212, 255, 226)  
}
```

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, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 255, 226) }
```

Border

The CSS property to change the border of an element to XYZ 76.6388, 91.0080, 85.4785 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, 226) }
```


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

```
.border{ border-color:rgb(212, 255, 226) }
```

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, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 255, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 255, 226);  
box-shadow:4px 4px 4px 4px rgb(212, 255,  
226) }
```

Background

The CSS property to change the background color of an element to XYZ 76.6388, 91.0080, 85.4785 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, 226) }
```

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

```
.background{ background-color: rgb(212,  
255, 226) }
```

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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