

Converting Colors

XYZ(83.2837, 100.0000,
80.3663)

Have a look what the booklet for
XYZ(83.2837, 100.0000, 80.3663)
contains.

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Color

**XYZ(79.6484, 92.6985,
79.3403)**

Conversions

Conversions Part 1

Format	Color
Hex	E2FFD9
RGB	226, 255, 217
RGB Percent	89%, 100%, 85%
CMY	0.1137, 0.0000, 0.1490
CMYK	0.11, 0.00, 0.15, 0.00
HSL	106°, 100%, 93%
HSV	106°, 15%, 100%
XYZ	79.6484, 92.6985, 79.3403
YIQ	241.9970, -5.0860, -17.9660

Conversions

Conversions Part 2

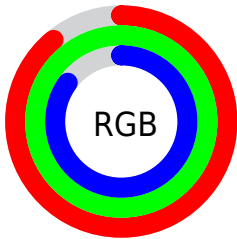
Format	Color
R_{YB}	217, 255, 246
Decimal	14876633
CIE _{Lab}	97.11, -16.13, 15.04
CIE _{LCh}	97, 22.050, 137.010
Yxy	92.6985, 0.3165, 0.3683
Android (android.graphics.Color)	4293066713 (0xFFE2FFD9)
YUV	241.9970, -12.3235, -14.0294
Hunter-Lab	96.2801, -20.8246, 18.5377

Details

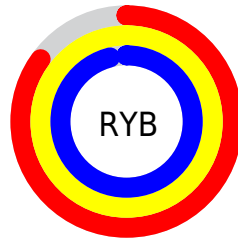
The XYZ color **79.6484, 92.6985, 79.3403** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **80.8697, 76.4397, 105.0998**, and the grayscale version is **84.4925, 88.8927, 96.8042**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **43.2932, 51.5428, 41.8494** is the 20% darker color. If you saturate the color by 10%, you get **70.8233, 88.5030, 62.9304**, and if you desaturate by 10%, it is **89.6801, 97.4567, 98.4846**.

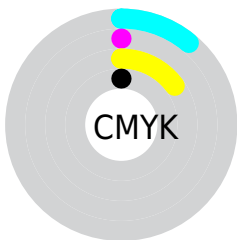
Distribution



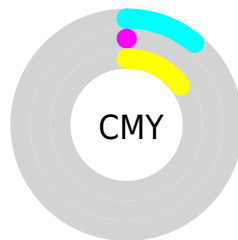
- Red (89%)
- Green (100%)
- Blue (85%)



- Red (85%)
- Yellow (100%)
- Blue (96%)



- Cyan (11%)
- Magenta (0%)
- Yellow (15%)
- Black (0%)





- Cyan (11%)
- Magenta (0%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 79.6484, 92.6985, 79.3403 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 79.6484, 92.6985, 79.3403 by changing the saturation by 10% instead.


 79.6484, 92.6985,
79.3403

 79.6484, 92.6985,
79.3403


482.5017,
536.7704, 512.3548

 59.7365, 70.2209,
58.6527

131.8244,
151.0811, 134.2408

 43.4550, 51.7067,
41.9154


164.8193,
187.7550, 169.2908

 30.4383, 36.7713,
28.7100


202.9058,
229.9297, 209.9653

 20.3212, 25.0305,
18.6179

246.4495,
277.9897, 256.6829

 12.7384, 16.0998,
11.2205

295.8155,
332.3194, 309.8621

 7.3244, 9.5948,
6.0993

351.3693,

 3.7139, 5.1311,

393.3031, 369.9215

2.8358

413.4763,
461.3254, 437.2795

■ 1.5416, 2.3244,
1.0114

■ 0.3539, 0.7866,
0.0000

■ 79.6484, 92.6985,
79.3403

■ 79.6484, 92.6985,
79.3403

■ 70.8233, 88.5030,
62.9304

■ 89.6801, 97.4567,
98.4846

■ 63.1562, 84.8481,
49.1260

95.0500, 100.0000,
108.9000

■ 56.5982, 81.7114,
37.7943

■ 51.0960, 79.0685,
28.7890

■ 46.5917, 76.8932,
21.9483

■ 43.0213, 75.1564,
17.0900

■ 40.3127, 73.8257,
14.0016

■ 38.3813, 72.8629,
12.4219

■ 37.6473, 72.4929,
12.0083

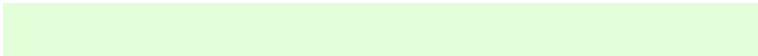
Harmonies

Analogous

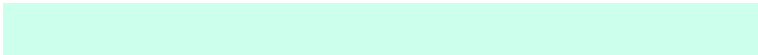
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.6559, 92.6985, 71.6046



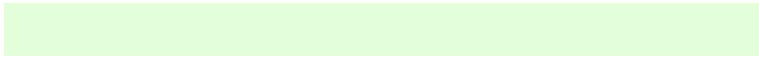
79.6484, 92.6985, 79.3403



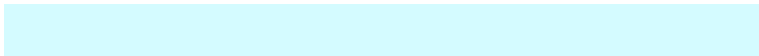
76.9638, 92.6985, 93.4306

Triad

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



79.6484, 92.6985, 79.3403



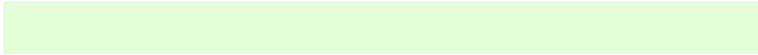
85.4471, 92.6985, 138.1063



100.0409, 92.6985, 91.2445

Complementary

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



79.6484, 92.6985, 79.3403



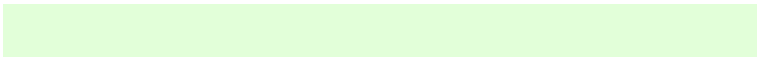
80.8697, 76.4397, 105.0998

Split Complementary

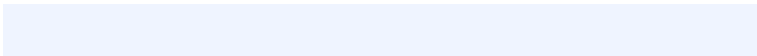
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



100.2773, 92.6985, 108.8264



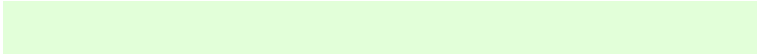
79.6484, 92.6985, 79.3403



91.6510, 92.6985, 137.3416

Square

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



79.6484, 92.6985, 79.3403



80.2041, 92.6985, 128.1061



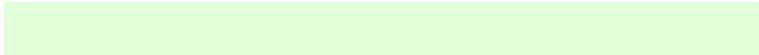
97.1445, 92.6985, 126.1256



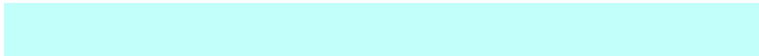
96.5130, 92.6985, 77.9026

Rectangle

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



79.6484, 92.6985, 79.3403



76.7660, 92.6985, 105.1694



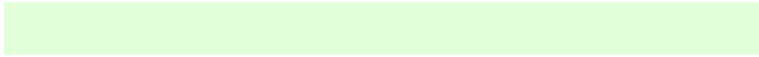
97.1445, 92.6985, 126.1256



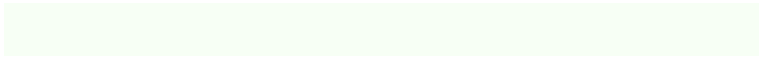
100.5136, 92.6985, 96.8118

Sweetspot

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



79.6491, 92.6988, 79.3417



90.6448, 97.9138, 100.3480



86.5687, 91.8779, 78.8186



19.2292, 20.8758, 21.1453



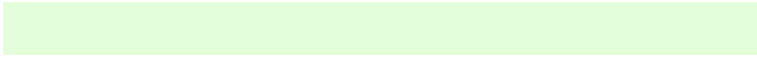
0.0000, 0.0000, 0.0000



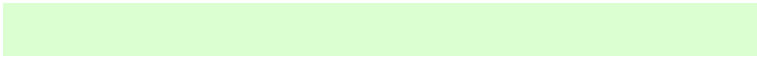
20.3446, 21.4041, 23.3091

Same Dimension

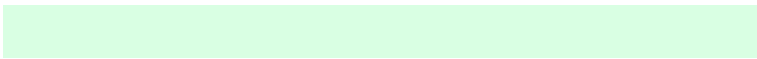
The Same Dimension uses a secret algorithm to generate beautiful new colors.



79.6491, 92.6988, 79.3417



76.7873, 91.3395, 73.9697



78.1723, 91.7906, 85.9101



18.1742, 20.3757, 19.1194



19.7806, 37.9353, 6.2797



2.0179, 3.7410, 0.6157

Inverse Universe

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



80.8697, 76.4397, 105.0998



78.2281, 72.1262, 104.4064



82.6113, 77.5099, 97.3942



18.3475, 18.0709, 22.7710



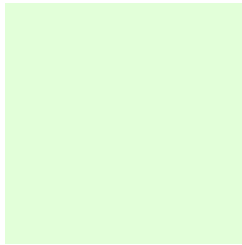
21.2776, 9.8795, 50.2201



2.1682, 1.0117, 4.8943

Previews

White Background



This preview shows how the XYZ color 79.6484, 92.6985, 79.3403 looks on a white background.

Color Contrast Check

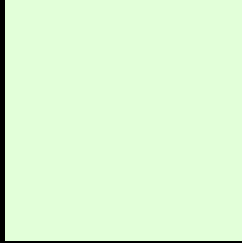
Large Text (above 18pt) WCAG AA × Fail

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 79.6484, 92.6985, 79.3403 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

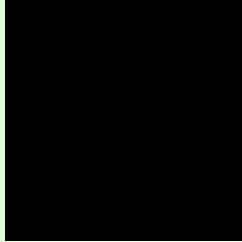
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

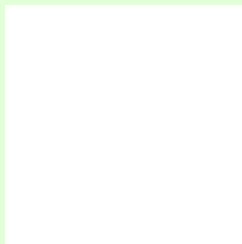
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 79.6484, 92.6985, 79.3403

Background



This preview shows how black text looks on a background with the XYZ color 79.6484, 92.6985, 79.3403.



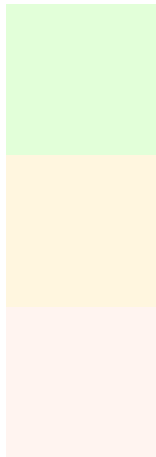
This preview shows how white text looks on a background with the XYZ color 79.6484, 92.6985,

79.3403.

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

79.6484, 92.6985, 79.3403

Protanopia

87.5151, 92.4992, 83.0536

Deuteranopia

89.3189, 92.2526, 95.5370

Tritanopia

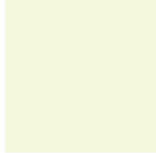
87.9287, 92.6188, 107.8506

Trichromacy



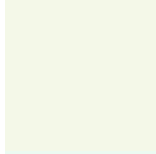
Original Color

79.6484, 92.6985, 79.3403



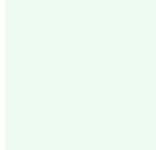
Protanomaly

84.2351, 92.2049, 81.7643



Deuteranomaly

85.4411, 92.1941, 89.6359



Tritanomaly

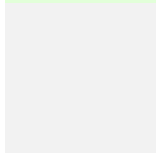
84.6549, 92.5550, 96.6222

Monochromacy



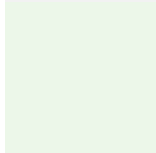
Original Color

79.6484, 92.6985, 79.3403



Achromatopsia

84.3971, 88.7923, 96.6948



Achromatomaly

82.5608, 90.2376, 90.1570

CSS Examples

Text

The CSS property to change the color of the text to XYZ 79.6484, 92.6985, 79.3403 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(226, 255, 217)` looks like.

```
.text, #text, p{  
    color:rgb(226, 255, 217)  
}
```

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(226, 255, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 255, 217) }
```

Border

The CSS property to change the border of an element to XYZ 79.6484, 92.6985, 79.3403 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(226, 255, 217) }
```


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

```
.border{ border-color:rgb(226, 255, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 255, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 255, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 255, 217);  
box-shadow:4px 4px 4px 4px rgb(226, 255,  
217) }
```

Background

The CSS property to change the background color of an element to XYZ 79.6484, 92.6985, 79.3403 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 255, 217) }
```

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

```
.background{ background-color: rgb(226,  
255, 217) }
```

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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