

Converting Colors

XYZ(83.3118, 100.0000,
72.1825)

Have a look what the booklet for
XYZ(83.3118, 100.0000, 72.1825)
contains.

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Color

**XYZ(79.6141, 92.8686,
70.8561)**

Conversions

Conversions Part 1

Format	Color
Hex	E7FFCC
RGB	231, 255, 204
RGB Percent	91%, 100%, 80%
CMY	0.0941, 0.0000, 0.2000
CMYK	0.09, 0.00, 0.20, 0.00
HSL	88°, 100%, 90%
HSV	88°, 20%, 100%
XYZ	79.6141, 92.8686, 70.8561
YIQ	242.0100, 2.0670, -20.9490

Conversions

Conversions Part 2

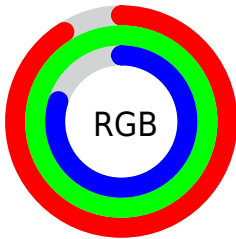
Format	Color
R_{YB}	204, 255, 228
Decimal	15204300
CIE _{Lab}	97.17, -16.49, 21.81
CIE _{LCh}	97, 27.348, 127.096
Yxy	92.8686, 0.3272, 0.3816
Android (android.graphics.Color)	4293394380 (0xFFE7FFCC)
YUV	242.0100, -18.7389, -9.6558
Hunter-Lab	96.3684, -21.1780, 23.8641

Details

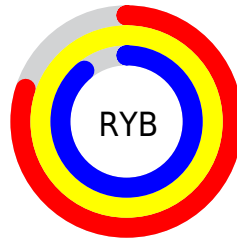
The XYZ color **79.6141, 92.8686, 70.8561** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **71.6387, 66.9010, 103.7452**, and the grayscale version is **84.5479, 88.9510, 96.8676**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **43.3783, 51.7041, 36.5478** is the 20% darker color. If you saturate the color by 10%, you get **73.0601, 89.8148, 55.8697**, and if you desaturate by 10%, it is **86.9356, 96.2601, 88.4950**.

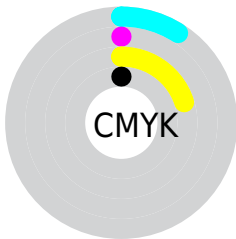
Distribution



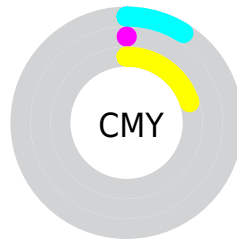
- Red (91%)
- Green (100%)
- Blue (80%)



- Red (80%)
- Yellow (100%)
- Blue (89%)



- Cyan (9%)
- Magenta (0%)
- Yellow (20%)
- Black (0%)





- Cyan (9%)
- Magenta (0%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 79.6141, 92.8686, 70.8561 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 79.6141, 92.8686, 70.8561 by changing the saturation by 10% instead.


 79.6141, 92.8686,
70.8561

 79.6141, 92.8686,
70.8561


482.3877,
537.3188, 482.4203

 59.7082, 70.3623,
51.7437


131.7764,
151.3167, 122.1213

 43.4321, 51.8219,
36.4200


164.7636,
188.0272, 155.1112

 30.4202, 36.8632,
24.4665


202.8418,
230.2413, 193.5640

 20.3074, 25.1016,
15.4646

246.3766,
278.3434, 237.8982

 12.7283, 16.1527,
8.9959

295.7332,
332.7178, 288.5325

 7.3174, 9.6323,
4.6417

351.2771,

 3.7095, 5.1559,

393.7488, 345.8852

1.9836

413.3734,
461.8211, 410.3750

■ 1.5391, 2.3390,
0.5452

■ 0.3522, 0.7942,
0.0000

■ 79.6141, 92.8686,
70.8561

■ 79.6141, 92.8686,
70.8561

■ 73.0601, 89.8148,
55.8697

■ 86.9356, 96.2601,
88.4950

■ 67.2423, 87.0855,
43.4031

95.0500, 100.0000,
108.9000

■ 62.1295, 84.6676,
33.3186

■ 57.6870, 82.5467,
25.4636

■ 53.8768, 80.7068,
19.6678

■ 50.6558, 79.1300,
15.7360

■ 47.9736, 77.7955,
13.4359

■ 45.7517, 76.6709,
12.3877

■ 45.7516, 76.6708,
12.3876

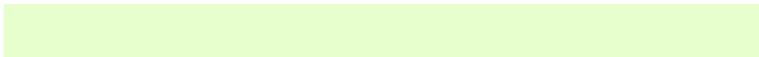
Harmonies

Analogous

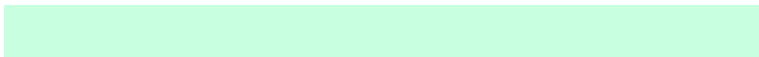
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.4475, 92.8686, 64.5236



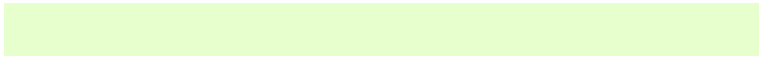
79.6141, 92.8686, 70.8561



75.2879, 92.8686, 85.4577

Triad

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



79.6141, 92.8686, 70.8561



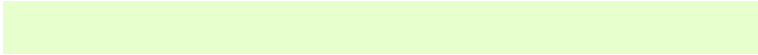
82.6164, 92.8686, 145.5560



103.8352, 92.8686, 95.9562

Complementary

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



79.6141, 92.8686, 70.8561



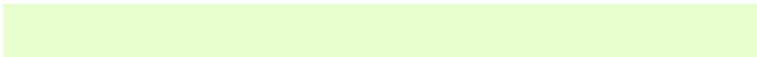
71.6387, 66.9010, 103.7452

Split Complementary

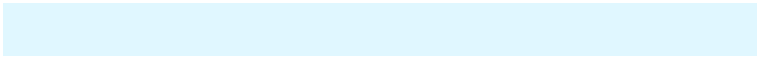
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



102.6621, 92.8686, 118.5836



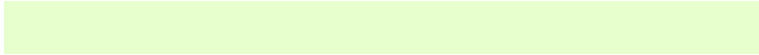
79.6141, 92.8686, 70.8561



90.1155, 92.8686, 149.4483

Square

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



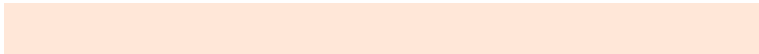
79.6141, 92.8686, 70.8561



76.9494, 92.8686, 128.9908



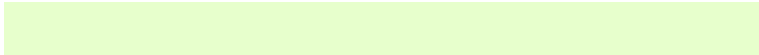
97.5291, 92.8686, 138.9621



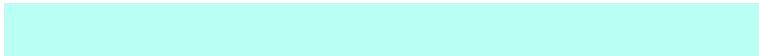
100.6472, 92.8686, 77.5810

Rectangle

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



79.6141, 92.8686, 70.8561



74.2571, 92.8686, 98.9796



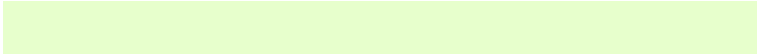
97.5291, 92.8686, 138.9621



103.9407, 92.8686, 103.2872

Sweetspot

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



79.6146, 92.8688, 70.8575



90.0841, 97.7134, 96.3172



79.8281, 80.9972, 68.5548



19.1698, 20.8631, 20.3359



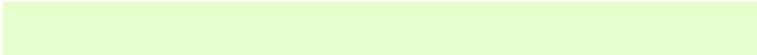
0.0000, 0.0000, 0.0000



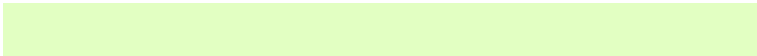
20.3446, 21.4041, 23.3091

Same Dimension

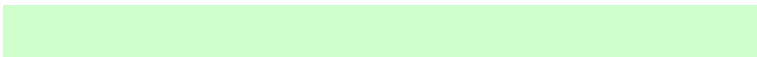
The Same Dimension uses a secret algorithm to generate beautiful new colors.



79.6146, 92.8688, 70.8575



76.9019, 91.6071, 64.5500



72.0303, 88.9590, 70.5025



18.6897, 20.6414, 19.1435



24.0802, 40.1519, 6.4809



2.4708, 3.9745, 0.6369

Inverse Universe

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



71.6387, 66.9010, 103.7452



67.6057, 61.3391, 102.8842



80.2607, 71.3458, 104.1487



17.8159, 17.7968, 22.7461



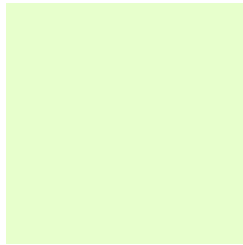
13.6480, 5.9463, 49.8630



1.4537, 0.6433, 4.8608

Previews

White Background



This preview shows how the XYZ color 79.6141, 92.8686, 70.8561 looks on a white background.

Color Contrast Check

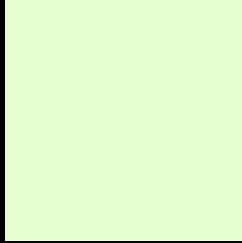
Large Text (above 18pt) WCAG AA × Fail

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 79.6141, 92.8686, 70.8561 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

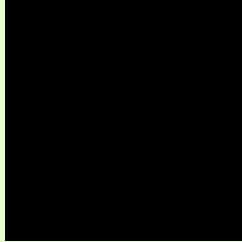
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

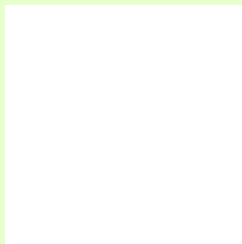
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 79.6141, 92.8686, 70.8561

Background



This preview shows how black text looks on a background with the XYZ color 79.6141, 92.8686, 70.8561.



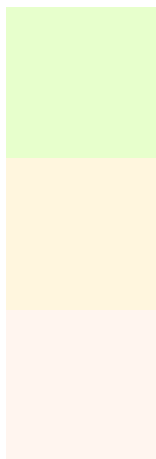
This preview shows how white text looks on a background with the XYZ color 79.6141, 92.8686, 70.8561.

70.8561.

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

79.6141, 92.8686, 70.8561

Protanopia

87.3806, 92.4455, 82.3455

Deuteranopia

89.4724, 92.7968, 94.8572

Tritanopia

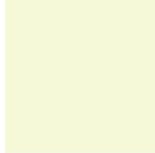
88.6190, 92.9746, 107.8829

Trichromacy



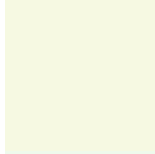
Original Color

79.6141, 92.8686, 70.8561



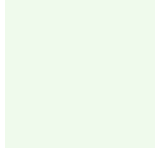
Protanomaly

84.1475, 92.2505, 77.6611



Deuteranomaly

85.6092, 92.8352, 85.3584



Tritanomaly

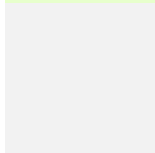
84.9225, 92.7781, 92.7889

Monochromacy



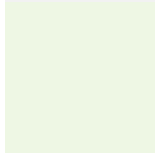
Original Color

79.6141, 92.8686, 70.8561



Achromatopsia

84.3971, 88.7923, 96.6948



Achromatomaly

82.5243, 90.3001, 86.4790

CSS Examples

Text

The CSS property to change the color of the text to XYZ 79.6141, 92.8686, 70.8561 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(231, 255, 204)` looks like.

```
.text, #text, p{  
    color:rgb(231, 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(231, 255, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 255, 204) }
```

Border

The CSS property to change the border of an element to XYZ 79.6141, 92.8686, 70.8561 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(231, 255, 204) }
```


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

```
.border{ border-color:rgb(231, 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(231, 255, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 255, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 255, 204);  
box-shadow:4px 4px 4px 4px rgb(231, 255,  
204) }
```

Background

The CSS property to change the background color of an element to XYZ 79.6141, 92.8686, 70.8561 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 255, 204) }
```

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

```
.background{ background-color: rgb(231,  
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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