

# Converting Colors

XYZ(79.9913, 93.1677, 65.9778)

Have a look what the booklet for  
XYZ(79.9913, 93.1677, 65.9778)  
contains.

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# Color

**XYZ(79.9848, 93.1677,  
65.9921)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	EBFFC4
RGB	235, 255, 196
RGB Percent	92%, 100%, 77%
CMY	0.0784, 0.0000, 0.2314
CMYK	0.08, 0.00, 0.23, 0.00
HSL	80°, 100%, 88%
HSV	80°, 23%, 100%
XYZ	79.9848, 93.1677, 65.9921
YIQ	242.2940, 7.0190, -22.5890

# Conversions

## Conversions Part 2

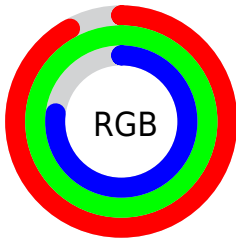
Format	Color
<a href="#">RYB</a>	<a href="#">196, 255, 216</a>
Decimal	<a href="#">15466436</a>
CIELab	<a href="#">97.30, -16.29, 26.08</a>
CIELCh	<a href="#">97, 30.750, 121.983</a>
Yxy	<a href="#">93.1677, 0.3345, 0.3896</a>
Android (android.graphics.Color)	<a href="#">4293656516</a> ( <a href="#">0xFFEBFFC4</a> )
YUV	<a href="#">242.2940, -22.8229, -6.3968</a>
Hunter-Lab	<a href="#">96.5234, -21.0007, 27.0304</a>

# Details

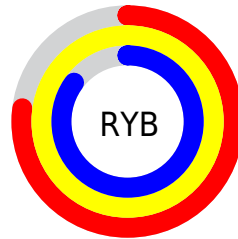
The XYZ color **79.9848, 93.1677, 65.9921** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **66.1098, 61.3000, 102.9555**, and the grayscale version is **84.8015, 89.2178, 97.1582**.

A 20% lighter version of the original color is **94.7296, 99.8718, 107.2129**, and **43.6670, 51.9249, 33.3122** is the 20% darker color. If you saturate the color by 10%, you get **74.5394, 90.6678, 51.8518**, and if you desaturate by 10%, it is **86.0633, 95.9369, 82.7397**.

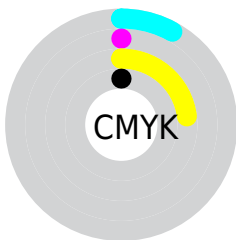
# Distribution



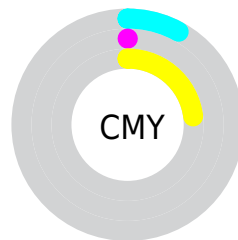
- Red (92%)
- Green (100%)
- Blue (77%)



- Red (77%)
- Yellow (100%)
- Blue (85%)



- Cyan (8%)
- Magenta (0%)
- Yellow (23%)
- Black (0%)



- Cyan (8%)
- Magenta (0%)
- Yellow (23%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 79.9848, 93.1677, 65.9921 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 79.9848, 93.1677, 65.9921 by changing the saturation by 10% instead.



79.9848, 93.1677,  
65.9921

79.9848, 93.1677,  
65.9921

483.6189,  
538.2823, 464.7521

60.0143, 70.6109,  
47.8095

132.2950,  
151.7308, 115.1019

43.6796, 52.0247,  
33.3172

165.3654,  
188.5058, 146.8662

30.6156, 37.0248,  
22.0964

203.5331,  
230.7891, 183.9949

20.4567, 25.2267,  
13.7288

247.1635,  
278.9649, 226.9064

12.8376, 16.2460,  
7.7957

296.6219,  
333.4178, 276.0193

7.3931, 9.6984,  
3.8786

352.2737,

3.7576, 5.1995,

394.5320, 331.7522

1.5590

414.4843,  
462.6921, 394.5236

■ 1.5659, 2.3648,  
0.2613

■ 0.3701, 0.8077,  
0.0000

■ 79.9848, 93.1677,  
65.9921

■ 79.9848, 93.1677,  
65.9921

■ 74.5394, 90.6678,  
51.8518

■ 86.0633, 95.9369,  
82.7397

■ 69.6986, 88.4256,  
40.1833

■ 92.7985, 98.9850,  
102.2126

■ 65.4340, 86.4294,  
30.8451

95.0500, 100.0000,  
108.9000

■ 61.7135, 84.6661,  
23.6798

■ 58.5015, 83.1214,  
18.5102

■ 55.7571, 81.7785,  
15.1318

■ 53.4307, 80.6174,  
13.2958

■ 52.0279, 79.9064,  
12.6813

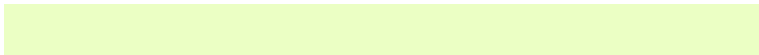
# Harmonies

## Analogous

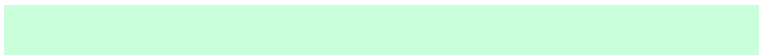
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.9754, 93.1677, 60.7017



79.9848, 93.1677, 65.9921



74.5909, 93.1677, 80.5629

# Triad

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



79.9848, 93.1677, 65.9921



80.9255, 93.1677, 149.8882



106.3456, 93.1677, 99.7947

# Complementary

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



79.9848, 93.1677, 65.9921



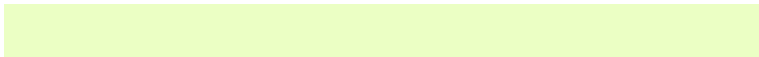
66.1098, 61.3000, 102.9555

# Split Complementary

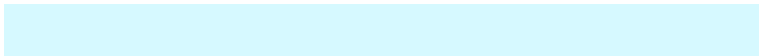
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



104.1572, 93.1677, 125.6529



79.9848, 93.1677, 65.9921



89.1333, 93.1677, 157.2516

# Square

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



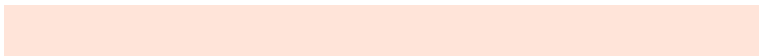
79.9848, 93.1677, 65.9921



75.1085, 93.1677, 128.9944



97.7125, 93.1677, 147.7475

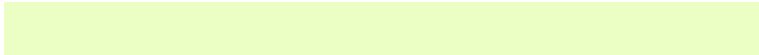


103.5134, 93.1677, 78.1250

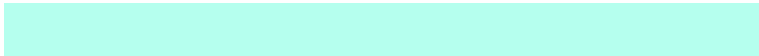


# Rectangle

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



79.9848, 93.1677, 65.9921



72.9997, 93.1677, 94.9081



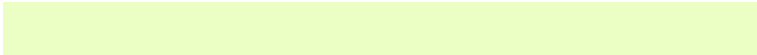
97.7125, 93.1677, 147.7475



106.1723, 93.1677, 108.2729

# Sweetspot

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



79.9853, 93.1679, 65.9935



90.1168, 97.7736, 94.3582



75.6750, 74.1875, 62.5570



19.2010, 20.8879, 19.9420



0.0000, 0.0000, 0.0000

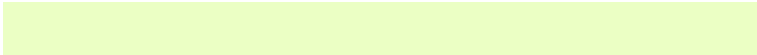


20.3446, 21.4041, 23.3091

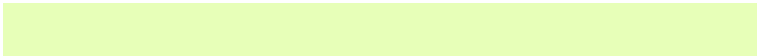


# Same Dimension

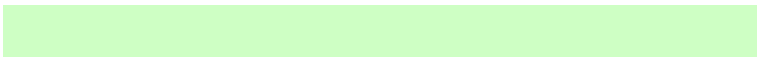
The Same Dimension uses a secret algorithm to generate beautiful new colors.



79.9853, 93.1679, 65.9935



77.2593, 91.9191, 58.7980



71.1319, 88.6039, 65.5791



18.9281, 20.7644, 19.1546



27.3516, 41.8383, 6.6340



2.7799, 4.1339, 0.6514



# Inverse Universe

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



66.1098, 61.3000, 102.9555



61.0647, 54.7164, 101.9506



75.5049, 66.1434, 103.3952



17.5833, 17.6769, 22.7352



11.6003, 4.8906, 49.7672

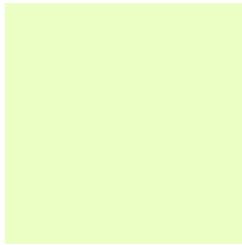


1.2407, 0.5335, 4.8509



# Previews

## White Background



This preview shows how the XYZ color 79.9848, 93.1677, 65.9921 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

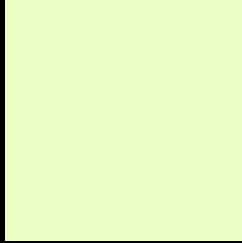
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 79.9848, 93.1677, 65.9921 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

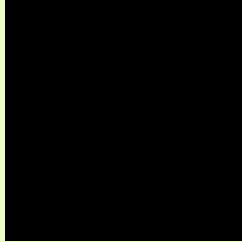
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

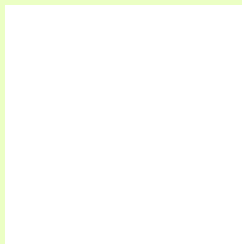
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 79.9848, 93.1677, 65.9921**

## **Background**



This preview shows how black text looks on a background with the XYZ color 79.9848, 93.1677, 65.9921.



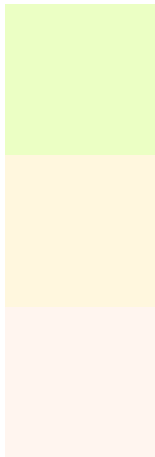
This preview shows how white text looks on a background with the XYZ color 79.9848, 93.1677,



# 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

79.9848, 93.1677, 65.9921

### Protanopia

87.6856, 93.0555, 82.4472

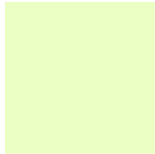
### Deuteranopia

89.4724, 92.7968, 94.8572

## **Tritanopia**

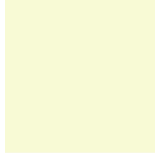
89.0118, 92.7244, 107.8139

# Trichromacy



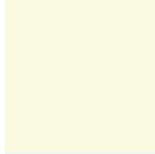
## Original Color

79.9848, 93.1677, 65.9921



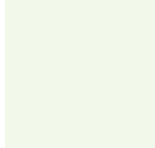
## Protanomaly

84.9072, 93.1318, 76.4519



## Deuteranomaly

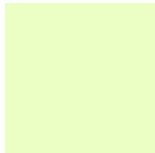
85.9064, 93.0355, 83.2419



## Tritanomaly

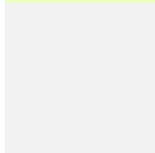
85.3449, 92.5691, 91.2114

# Monochromacy



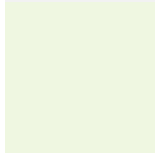
## Original Color

79.9848, 93.1677, 65.9921



## Achromatopsia

84.3971, 88.7923, 96.6948



## Achromatomaly

82.4480, 90.3085, 84.3200

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 79.9848, 93.1677, 65.9921 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(235, 255, 196)` looks like.

```
.text, #text, p{  
    color:rgb(235, 255, 196)  
}
```

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(235, 255, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 255, 196) }
```

## Border

The CSS property to change the border of an element to XYZ 79.9848, 93.1677, 65.9921 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(235, 255, 196) }
```



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

```
.border{ border-color:rgb(235, 255, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 255, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 255, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 255, 196);  
box-shadow:4px 4px 4px 4px rgb(235, 255,  
196) }
```

# Background

The CSS property to change the background color of an element to XYZ 79.9848, 93.1677, 65.9921 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 255, 196) }
```

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

```
.background{ background-color: rgb(235,  
255, 196) }
```

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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