

Converting Colors

XYZ(83.3508, 100.0000,
66.7063)

Have a look what the booklet for
XYZ(83.3508, 100.0000, 66.7063)
contains.

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Color

**XYZ(79.8713, 93.1223,
65.3945)**

Conversions

Conversions Part 1

Format	Color
Hex	EBFFC3
RGB	235, 255, 195
RGB Percent	92%, 100%, 76%
CMY	0.0784, 0.0000, 0.2353
CMYK	0.08, 0.00, 0.24, 0.00
HSL	80°, 100%, 88%
HSV	80°, 24%, 100%
XYZ	79.8713, 93.1223, 65.3945
YIQ	242.1800, 7.3400, -22.9000

Conversions

Conversions Part 2

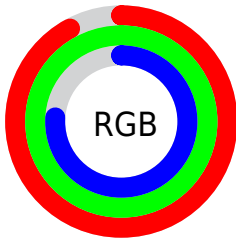
Format	Color
RYB	195, 255, 215
Decimal	15466435
CIELab	97.28, -16.43, 26.56
CIELCh	97, 31.235, 121.740
Yxy	93.1223, 0.3350, 0.3906
Android (android.graphics.Color)	4293656515 (0xFFEBFFC3)
YUV	242.1800, -23.2597, -6.2969
Hunter-Lab	96.4999, -21.1334, 27.3712

Details

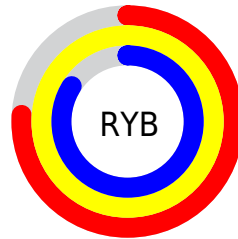
The XYZ color **79.8713, 93.1223, 65.3945** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **65.5904, 60.6985, 102.8667**, and the grayscale version is **84.7143, 89.1260, 97.0582**.

A 20% lighter version of the original color is **94.5707, 99.8083, 106.3760**, and **43.5922, 51.8950, 32.9185** is the 20% darker color. If you saturate the color by 10%, you get **74.4900, 90.6533, 51.3556**, and if you desaturate by 10%, it is **85.8801, 95.8579, 82.0355**.

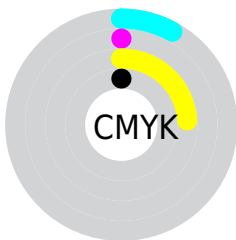
Distribution



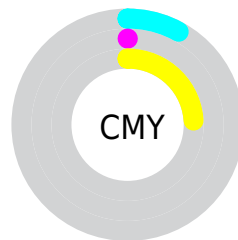
- Red (92%)
- Green (100%)
- Blue (76%)



- Red (76%)
- Yellow (100%)
- Blue (84%)



- Cyan (8%)
- Magenta (0%)
- Yellow (24%)
- Black (0%)



- Cyan (8%)
- Magenta (0%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 79.8713, 93.1223, 65.3945 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 79.8713, 93.1223, 65.3945 by changing the saturation by 10% instead.

79.8713, 93.1223,
65.3945

79.8713, 93.1223,
65.3945

483.2421,
538.1361, 462.5532

59.9206, 70.5732,
47.3277

132.1362,
151.6679, 114.2355

43.6038, 51.9939,
32.9386

165.1812,
188.4332, 145.8468

30.5557, 37.0002,
21.8087

203.3215,
230.7060, 182.8100

20.4110, 25.2077,
13.5194

246.9226,
278.8706, 225.5436

12.8041, 16.2319,
7.6523

296.3499,
333.3116, 274.4662

7.3699, 9.6884,
3.7887

351.9687,

3.7428, 5.1928,

394.4132, 329.9963

1.5101

414.1443,
462.5599, 392.5525

■ 1.5577, 2.3608,
0.2255

■ 0.3646, 0.8056,
0.0000

■ 79.8713, 93.1223,
65.3945

■ 79.8713, 93.1223,
65.3945

■ 74.4900, 90.6533,
51.3556

■ 85.8801, 95.8579,
82.0355

■ 69.7079, 88.4392,
39.7830

■ 92.5401, 98.8696,
101.3970

■ 65.4964, 86.4685,
30.5345

■ 95.0500, 100.0000,
108.9000

■ 61.8235, 84.7280,
23.4521

■ 58.6536, 83.2033,
18.3580

■ 55.9454, 81.8776,
15.0460

■ 53.6492, 80.7310,
13.2652

■ 52.3376, 80.0661,
12.6958

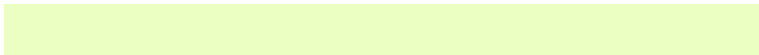
Harmonies

Analogous

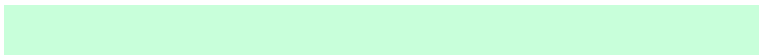
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.9950, 93.1223, 60.1281



79.8713, 93.1223, 65.3945



74.3755, 93.1223, 80.0615

Triad

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



79.8713, 93.1223, 65.3945



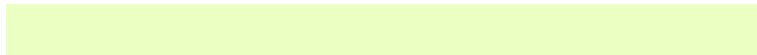
80.7087, 93.1223, 150.5630



106.5971, 93.1223, 99.9240

Complementary

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



79.8713, 93.1223, 65.3945



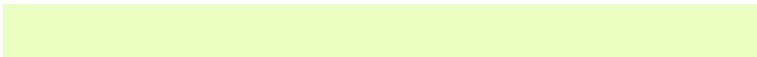
65.5904, 60.6985, 102.8667

Split Complementary

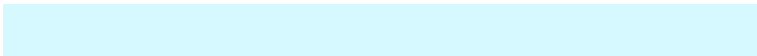
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



104.3305, 93.1223, 126.2153



79.8713, 93.1223, 65.3945



89.0269, 93.1223, 158.2064

Square

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



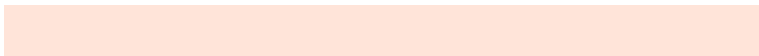
79.8713, 93.1223, 65.3945



74.8358, 93.1223, 129.1999



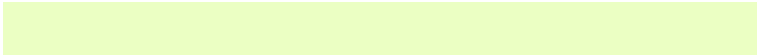
97.7501, 93.1223, 148.6481



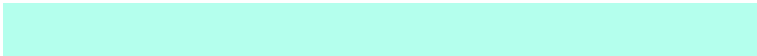
103.7559, 93.1223, 77.8951

Rectangle

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



79.8713, 93.1223, 65.3945



72.7416, 93.1223, 94.5651



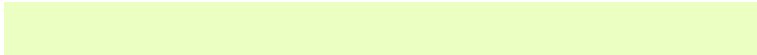
97.7501, 93.1223, 148.6481



106.4067, 93.1223, 108.5447

Sweetspot

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



79.8718, 93.1225, 65.3959



90.1527, 97.7921, 94.3599



75.1375, 73.2942, 61.8181



19.2093, 20.8922, 19.9424



0.0000, 0.0000, 0.0000



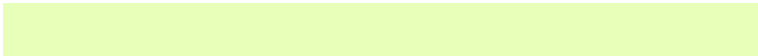
20.3446, 21.4041, 23.3091

Same Dimension

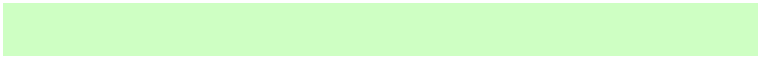
The Same Dimension uses a secret algorithm to generate beautiful new colors.



79.8718, 93.1225, 65.3959



77.3895, 91.9862, 58.8041



71.0647, 88.5823, 64.9837



18.9384, 20.7697, 19.1551



27.5125, 41.9213, 6.6416



2.7948, 4.1415, 0.6521

Inverse Universe

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



65.5904, 60.6985, 102.8667



60.9515, 54.6581, 101.9453



74.8740, 65.4844, 103.3012



17.5735, 17.6718, 22.7347



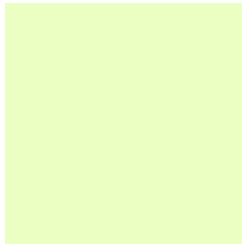
11.5296, 4.8542, 49.7639



1.2329, 0.5295, 4.8505

Previews

White Background



This preview shows how the XYZ color 79.8713, 93.1223, 65.3945 looks on a white background.

Color Contrast Check

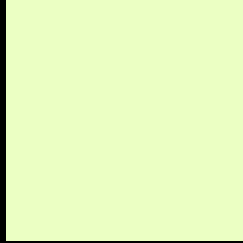
Large Text (above 18pt) WCAG AA × Fail

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 79.8713, 93.1223, 65.3945 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

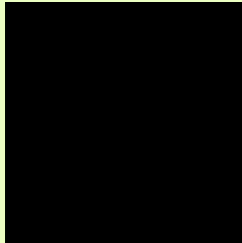
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

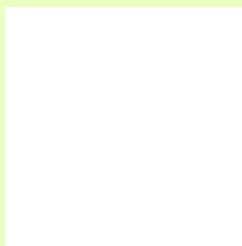
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 79.8713, 93.1223, 65.3945

Background



This preview shows how black text looks on a background with the XYZ color 79.8713, 93.1223, 65.3945.



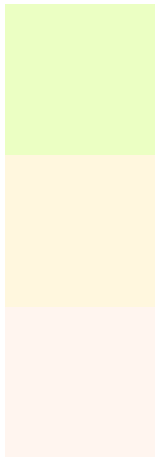
This preview shows how white text looks on a background with the XYZ color 79.8713, 93.1223,

65.3945.

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

79.8713, 93.1223, 65.3945

Protanopia

87.6856, 93.0555, 82.4472

Deuteranopia

89.4724, 92.7968, 94.8572

Tritanopia

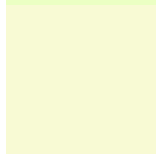
89.0118, 92.7244, 107.8139

Trichromacy



Original Color

79.8713, 93.1223, 65.3945



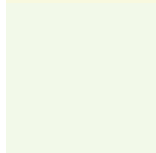
Protanomaly

84.7807, 93.0811, 75.7854



Deuteranomaly

85.9064, 93.0355, 83.2419



Tritanomaly

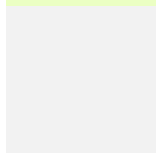
85.2016, 92.5118, 90.4568

Monochromacy



Original Color

79.8713, 93.1223, 65.3945



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 79.8713, 93.1223, 65.3945 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, 195)` looks like.

```
.text, #text, p{  
    color:rgb(235, 255, 195)  
}
```

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, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 255, 195) }
```

Border

The CSS property to change the border of an element to XYZ 79.8713, 93.1223, 65.3945 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, 195) }
```


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

```
.border{ border-color:rgb(235, 255, 195) }
```

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, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 255, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 255, 195);  
box-shadow:4px 4px 4px 4px rgb(235, 255,  
195) }
```

Background

The CSS property to change the background color of an element to XYZ 79.8713, 93.1223, 65.3945 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, 195) }
```

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

```
.background{ background-color: rgb(235,  
255, 195) }
```

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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