

Converting Colors

XYZ(83.4781, 100.0000,
72.1457)

Have a look what the booklet for
XYZ(83.4781, 100.0000, 72.1457)
contains.

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Color

**XYZ(79.9378, 93.0354,
70.8712)**

Conversions

Conversions Part 1

Format	Color
Hex	E8FFCC
RGB	232, 255, 204
RGB Percent	91%, 100%, 80%
CMY	0.0902, 0.0000, 0.2000
CMYK	0.09, 0.00, 0.20, 0.00
HSL	87°, 100%, 90%
HSV	87°, 20%, 100%
XYZ	79.9378, 93.0354, 70.8712
YIQ	242.3090, 2.6630, -20.7370

Conversions

Conversions Part 2

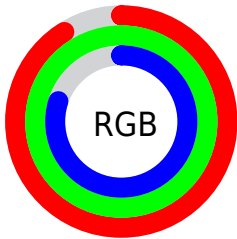
Format	Color
RYB	204, 255, 227
Decimal	15269836
CIELab	97.24, -16.15, 21.92
CIELCh	97, 27.224, 126.383
Yxy	93.0354, 0.3278, 0.3815
Android (android.graphics.Color)	4293459916 (0xFFE8FFCC)
YUV	242.3090, -18.8863, -9.0410
Hunter-Lab	96.4549, -20.8626, 23.9545

Details

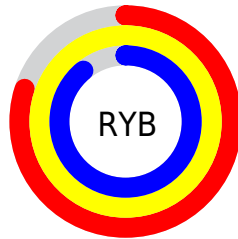
The XYZ color **79.9378, 93.0354, 70.8712** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **71.3223, 66.7378, 103.7303**, and the grayscale version is **84.7857, 89.2012, 97.1401**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **43.6036, 51.8203, 36.5583** is the 20% darker color. If you saturate the color by 10%, you get **73.5135, 90.0485, 55.8908**, and if you desaturate by 10%, it is **87.1084, 96.3492, 88.5030**.

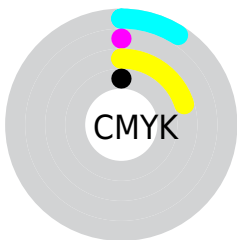
Distribution



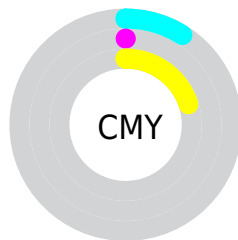
- Red (91%)
- Green (100%)
- Blue (80%)



- 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 79.9378, 93.0354, 70.8712 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 79.9378, 93.0354, 70.8712 by changing the saturation by 10% instead.


 79.9378, 93.0354,
70.8712

 79.9378, 93.0354,
70.8712


483.4629,
537.8562, 482.4746

 59.9755, 70.5009,
51.7559


132.2293,
151.5476, 122.1431

 43.6482, 51.9350,
36.4296


165.2891,
188.2942, 155.1367

 30.5908, 36.9533,
24.4739


203.4455,
230.5468, 193.5935

 20.4377, 25.1713,
15.4701

247.0637,
278.6901, 237.9321

 12.8237, 16.2047,
8.9997

296.5093,
333.1082, 288.5710

 7.3834, 9.6691,
4.6442

352.1474,

 3.7515, 5.1801,

394.1857, 345.9286

1.9850

414.3435,
462.3069, 410.4237

■ 1.5625, 2.3533,
0.5460

■ 0.3678, 0.8017,
0.0000

■ 79.9378, 93.0354,
70.8712

■ 79.9378, 93.0354,
70.8712

■ 73.5135, 90.0485,
55.8908

■ 87.1084, 96.3492,
88.5030

■ 67.8048, 87.3754,
43.4294

95.0500, 100.0000,
108.9000

■ 62.7810, 85.0035,
33.3491

■ 58.4084, 82.9186,
25.4974

■ 54.6495, 81.1052,
19.7039

■ 51.4621, 79.5457,
15.7737

■ 48.7967, 78.2197,
13.4744

■ 46.5754, 77.0956,
12.4262

■ 46.5753, 77.0955,
12.4261

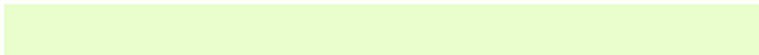
Harmonies

Analogous

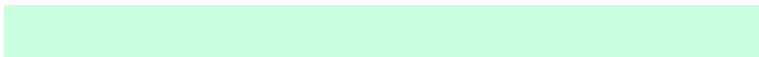
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.7926, 93.0354, 64.7535



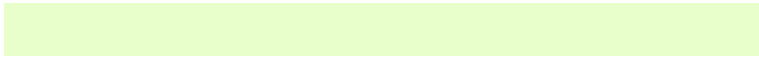
79.9378, 93.0354, 70.8712



75.5515, 93.0354, 85.2540

Triad

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



79.9378, 93.0354, 70.8712



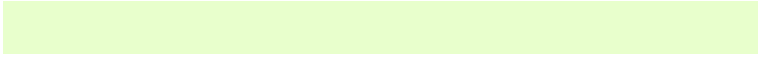
82.6312, 93.0354, 145.2971



103.9619, 93.0354, 96.6615

Complementary

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



79.9378, 93.0354, 70.8712



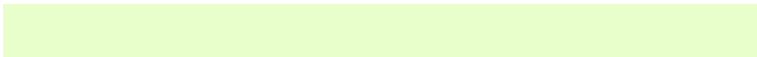
71.3223, 66.7378, 103.7303

Split Complementary

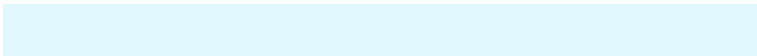
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



102.6888, 93.0354, 119.2421



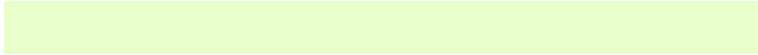
79.9378, 93.0354, 70.8712



90.0825, 93.0354, 149.5172

Square

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



79.9378, 93.0354, 70.8712



77.0423, 93.0354, 128.5720



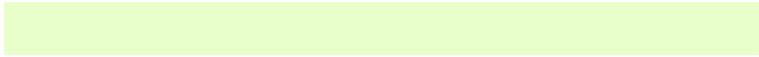
97.4977, 93.0354, 139.3875



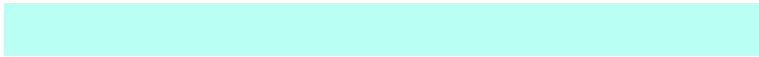
100.8822, 93.0354, 78.1855

Rectangle

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



79.9378, 93.0354, 70.8712



74.4674, 93.0354, 98.6498



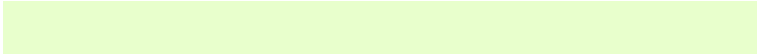
97.4977, 93.0354, 139.3875



104.0312, 93.0354, 103.9967

Sweetspot

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



79.9384, 93.0357, 70.8726



90.1905, 97.7682, 96.3222



79.5951, 80.5312, 68.4771



19.1949, 20.8760, 20.3370



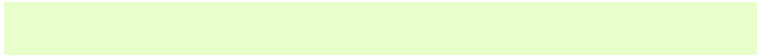
0.0000, 0.0000, 0.0000



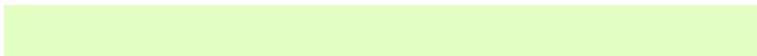
20.3446, 21.4041, 23.3091

Same Dimension

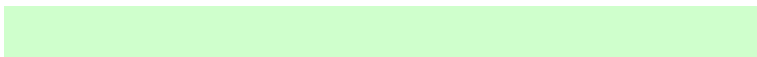
The Same Dimension uses a secret algorithm to generate beautiful new colors.



79.9384, 93.0357, 70.8726



77.2800, 91.8021, 64.5677



72.2665, 89.0807, 70.5136



18.7249, 20.6596, 19.1451



24.5111, 40.3740, 6.5011



2.5125, 3.9960, 0.6389

Inverse Universe

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



71.3223, 66.7378, 103.7303



67.2380, 61.1496, 102.8670



79.9515, 71.1863, 104.1342



17.7810, 17.7788, 22.7444



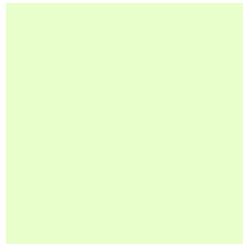
13.2923, 5.7629, 49.8464



1.4180, 0.6249, 4.8592

Previews

White Background



This preview shows how the XYZ color 79.9378, 93.0354, 70.8712 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 79.9378, 93.0354, 70.8712 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

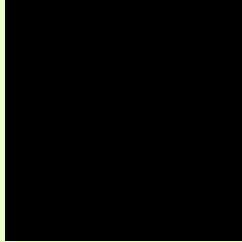
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

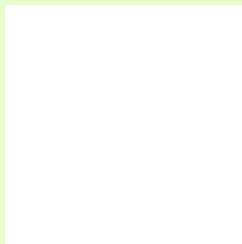
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 79.9378, 93.0354, 70.8712

Background



This preview shows how black text looks on a background with the XYZ color 79.9378, 93.0354, 70.8712.



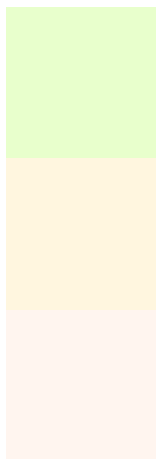
This preview shows how white text looks on a background with the XYZ color 79.9378, 93.0354,

70.8712.

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

79.9378, 93.0354, 70.8712

Protanopia

87.5151, 92.4992, 83.0536

Deuteranopia

89.4724, 92.7968, 94.8572

Tritanopia

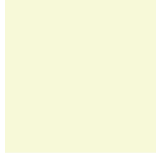
88.6190, 92.9746, 107.8829

Trichromacy



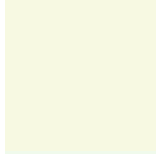
Original Color

79.9378, 93.0354, 70.8712



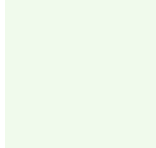
Protanomaly

84.6281, 92.4834, 78.3564



Deuteranomaly

85.9609, 93.0165, 85.3749



Tritanomaly

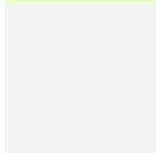
85.2611, 92.9526, 92.8048

Monochromacy



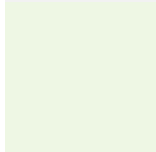
Original Color

79.9378, 93.0354, 70.8712



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 79.9378, 93.0354, 70.8712 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(232, 255, 204)` looks like.

```
.text, #text, p{  
    color:rgb(232, 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(232, 255, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 255, 204) }
```

Border

The CSS property to change the border of an element to XYZ 79.9378, 93.0354, 70.8712 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(232, 255, 204) }
```


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

```
.border{ border-color:rgb(232, 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(232, 255, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 255, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 255, 204);  
box-shadow:4px 4px 4px 4px rgb(232, 255,  
204) }
```

Background

The CSS property to change the background color of an element to XYZ 79.9378, 93.0354, 70.8712 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 255, 204) }
```

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

```
.background{ background-color: rgb(232,  
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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