

Converting Colors

XYZ(81.7552, 96.5033, 80.1045)

Have a look what the booklet for
XYZ(81.7552, 96.5033, 80.1045)
contains.

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Color

**XYZ(79.9629, 92.8606,
79.3550)**

Conversions

Conversions Part 1

Format	Color
Hex	E3FFD9
RGB	227, 255, 217
RGB Percent	89%, 100%, 85%
CMY	0.1098, 0.0000, 0.1490
CMYK	0.11, 0.00, 0.15, 0.00
HSL	104°, 100%, 93%
HSV	104°, 15%, 100%
XYZ	79.9629, 92.8606, 79.3550
YIQ	242.2960, -4.4900, -17.7540

Conversions

Conversions Part 2

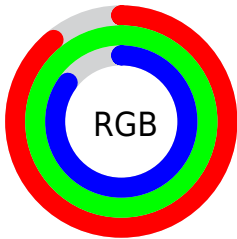
Format	Color
R_{YB}	217, 255, 245
Decimal	14942169
CIE _{Lab}	97.17, -15.79, 15.14
CIE _{LCh}	97, 21.877, 136.214
Yxy	92.8606, 0.3171, 0.3682
Android (android.graphics.Color)	4293132249 (0xFFE3FFD9)
YUV	242.2960, -12.4709, -13.4146
Hunter-Lab	96.3642, -20.5183, 18.6302

Details

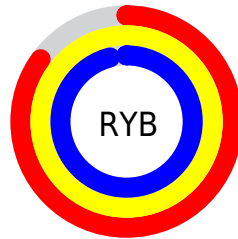
The XYZ color **79.9629, 92.8606, 79.3550** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **80.5198, 76.2593, 105.0834**, and the grayscale version is **84.7302, 89.1428, 97.0765**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **43.5103, 51.6547, 41.8595** is the 20% darker color. If you saturate the color by 10%, you get **71.2913, 88.7443, 62.9523**, and if you desaturate by 10%, it is **89.7952, 97.5160, 98.4900**.

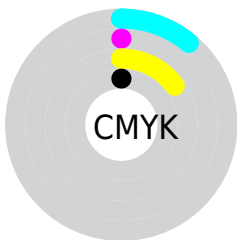
Distribution



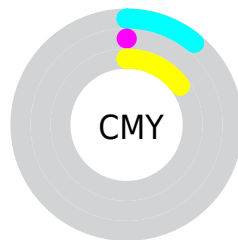
- Red (89%)
- Green (100%)
- Blue (85%)



- 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 79.9629, 92.8606, 79.3550 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 79.9629, 92.8606, 79.3550 by changing the saturation by 10% instead.


 79.9629, 92.8606,
79.3550

 79.9629, 92.8606,
79.3550


483.5462,
537.2930, 512.4058

 59.9962, 70.3556,
58.6647


132.2644,
151.3056, 134.2617

 43.6650, 51.8165,
41.9250


165.3298,
188.0144, 169.3152

 30.6040, 36.8589,
28.7175


203.4923,
230.2267, 209.9935

 20.4478, 25.0982,
18.6234

247.1170,
278.3268, 256.7151

 12.8312, 16.1503,
11.2245

296.5694,
332.6990, 309.8986

 7.3886, 9.6305,
6.1019

352.2149,

 3.7548, 5.1547,

393.7279, 369.9625

2.8374

414.4187,
461.7977, 437.3254

■ 1.5643, 2.3383,
1.0122

■ 0.3690, 0.7939,
0.0000

■ 79.9629, 92.8606,
79.3550

■ 79.9629, 92.8606,
79.3550

■ 71.2913, 88.7443,
62.9523

■ 89.7952, 97.5160,
98.4900

■ 63.7342, 85.1461,
49.1530

95.0500, 100.0000,
108.9000

■ 57.2453, 82.0450,
37.8246

■ 51.7741, 79.4181,
28.8207

■ 47.2656, 77.2406,
21.9799

■ 43.6592, 75.4853,
17.1198

■ 40.8867, 74.1216,
14.0284

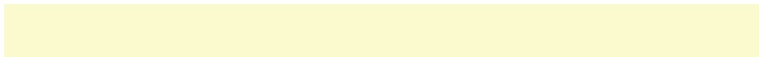
■ 38.8678, 73.1137,
12.4447

■ 38.0819, 72.7170,
12.0287

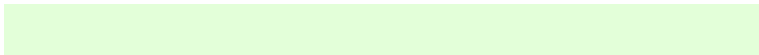
Harmonies

Analogous

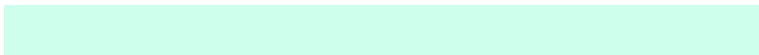
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.9867, 92.8606, 71.8428



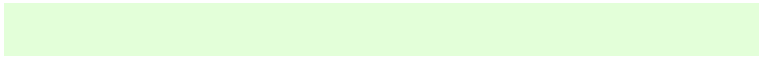
79.9629, 92.8606, 79.3550



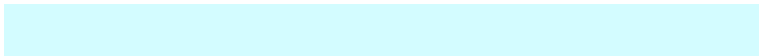
77.2234, 92.8606, 93.2199

Triad

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



79.9629, 92.8606, 79.3550



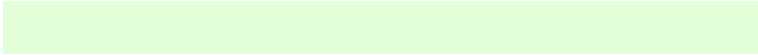
85.4616, 92.8606, 137.8657



100.1619, 92.8606, 91.9073

Complementary

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



79.9629, 92.8606, 79.3550



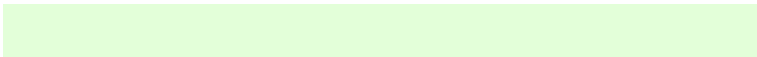
80.5198, 76.2593, 105.0834

Split Complementary

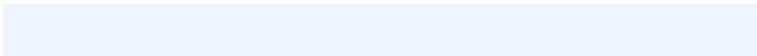
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



100.3037, 92.8606, 109.4319



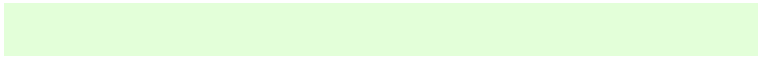
79.9629, 92.8606, 79.3550



91.6187, 92.8606, 137.4075

Square

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



79.9629, 92.8606, 79.3550



80.2966, 92.8606, 127.7024



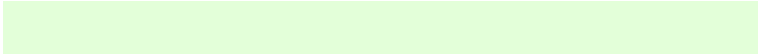
97.1147, 92.8606, 126.5153



96.7359, 92.8606, 78.4910

Rectangle

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



79.9629, 92.8606, 79.3550



76.9746, 92.8606, 104.8356



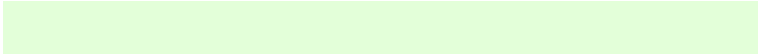
97.1147, 92.8606, 126.5153



100.6005, 92.8606, 97.4726

Sweetspot

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



79.9636, 92.8610, 79.3564



90.7396, 97.9627, 100.3524



86.3769, 91.4943, 78.7546



19.2531, 20.8882, 21.1464



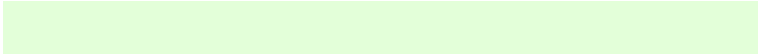
0.0000, 0.0000, 0.0000



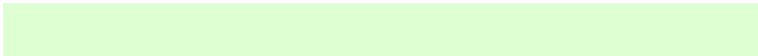
20.3446, 21.4041, 23.3091

Same Dimension

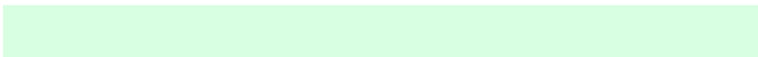
The Same Dimension uses a secret algorithm to generate beautiful new colors.



79.9636, 92.8610, 79.3564



77.1542, 91.5286, 73.9869



78.0852, 91.7558, 85.4518



18.2198, 20.3992, 19.1215



20.0170, 38.0572, 6.2908



2.0465, 3.7558, 0.6171

Inverse Universe

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



80.5198, 76.2593, 105.0834



77.8100, 71.9107, 104.3869



82.7085, 77.5488, 97.9057



18.2988, 18.0458, 22.7687



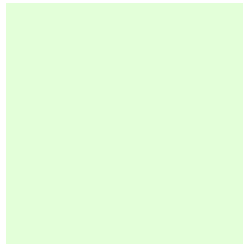
20.4028, 9.4285, 50.1791



2.0894, 0.9710, 4.8906

Previews

White Background



This preview shows how the XYZ color 79.9629, 92.8606, 79.3550 looks on a white background.

Color Contrast Check

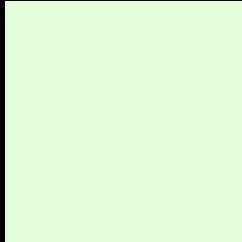
Large Text (above 18pt) WCAG AA × Fail

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 79.9629, 92.8606, 79.3550 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

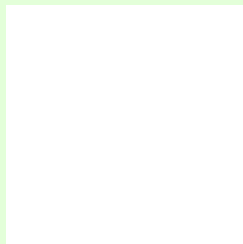
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 79.9629, 92.8606, 79.3550

Background



This preview shows how black text looks on a background with the XYZ color 79.9629, 92.8606, 79.3550.



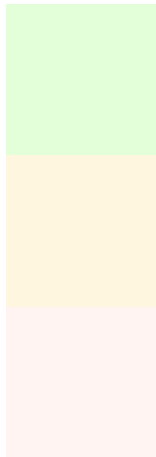
This preview shows how white text looks on a background with the XYZ color 79.9629, 92.8606,

79.3550.

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

79.9629, 92.8606, 79.3550

Protanopia

87.6503, 92.5534, 83.7659

Deuteranopia

89.4679, 92.3122, 96.3217

Tritanopia

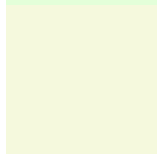
87.9287, 92.6188, 107.8506

Trichromacy



Original Color

79.9629, 92.8606, 79.3550



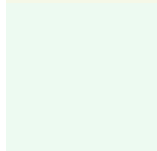
Protanomaly

84.5830, 92.3843, 81.7806



Deuteranomaly

85.7891, 92.3735, 89.6522



Tritanomaly

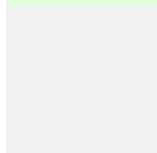
84.9878, 92.7266, 96.6378

Monochromacy



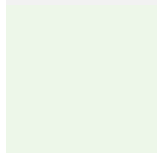
Original Color

79.9629, 92.8606, 79.3550



Achromatopsia

84.3971, 88.7923, 96.6948



Achromatomaly

82.8938, 90.4092, 90.1726

CSS Examples

Text

The CSS property to change the color of the text to XYZ 79.9629, 92.8606, 79.3550 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(227, 255, 217)` looks like.

```
.text, #text, p{  
    color:rgb(227, 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(227, 255, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 255, 217) }
```

Border

The CSS property to change the border of an element to XYZ 79.9629, 92.8606, 79.3550 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(227, 255, 217) }
```


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

```
.border{ border-color:rgb(227, 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(227, 255, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 255, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 255, 217);  
box-shadow:4px 4px 4px 4px rgb(227, 255,  
217) }
```

Background

The CSS property to change the background color of an element to XYZ 79.9629, 92.8606, 79.3550 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 255, 217) }
```

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

```
.background{ background-color: rgb(227,  
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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