

Converting Colors

XYZ(84.3147, 100.0000,
80.2950)

Have a look what the booklet for
XYZ(84.3147, 100.0000, 80.2950)
contains.

XYZ(80.9175, 93.3527, 79.3997)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(80.9175, 93.3527,
79.3997)**

Conversions

Conversions Part 1

Format	Color
Hex	E6FFD9
RGB	230, 255, 217
RGB Percent	90%, 100%, 85%
CMY	0.0980, 0.0000, 0.1490
CMYK	0.10, 0.00, 0.15, 0.00
HSL	99°, 100%, 93%
HSV	99°, 15%, 100%
XYZ	80.9175, 93.3527, 79.3997
YIQ	243.1930, -2.7020, -17.1180

Conversions

Conversions Part 2

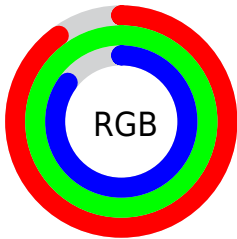
Format	Color
R_{YB}	217, 255, 242
Decimal	15138777
CIE _{Lab}	97.37, -14.78, 15.45
CIE _{LCh}	97, 21.382, 133.739
Yxy	93.3527, 0.3190, 0.3680
Android (android.graphics.Color)	4293328857 (0xFFE6FFD9)
YUV	243.1930, -12.9131, -11.5703
Hunter-Lab	96.6192, -19.5918, 18.9101

Details

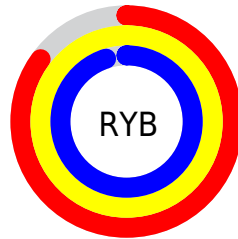
The XYZ color **80.9175, 93.3527, 79.3997** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **79.4816, 75.7241, 105.0348**, and the grayscale version is **85.4457, 89.8955, 97.8962**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.1712, 51.9955, 41.8905** is the 20% darker color. If you saturate the color by 10%, you get **72.7252, 89.4835, 63.0194**, and if you desaturate by 10%, it is **90.1419, 97.6948, 98.5063**.

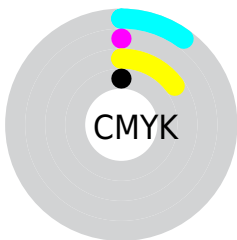
Distribution



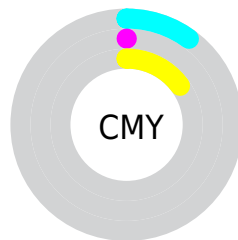
- Red (90%)
- Green (100%)
- Blue (85%)



- Red (85%)
- Yellow (100%)
- Blue (95%)



- Cyan (10%)
- Magenta (0%)
- Yellow (15%)
- Black (0%)





- Cyan (10%)
- Magenta (0%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 80.9175, 93.3527, 79.3997 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 80.9175, 93.3527, 79.3997 by changing the saturation by 10% instead.


 80.9175, 93.3527,
79.3997

 80.9175, 93.3527,
79.3997


486.7091,
538.8778, 512.5608

 60.7847, 70.7647,
58.7012


133.5987,
151.9868, 134.3252

 44.3033, 52.1502,
41.9542


166.8778,
188.8017, 169.3893

 31.1080, 37.1248,
28.7402


205.2697,
231.1277, 210.0790

 20.8333, 25.3041,
18.6405

249.1398,
279.3492, 256.8128

 13.1140, 16.3038,
11.2366

298.8535,
333.8505, 310.0094

 7.5846, 9.7394,
6.1100

354.7760,

 3.8799, 5.2265,

395.0161, 370.0873

2.8422

417.2727,
463.2304, 437.4649

■ 1.6344, 2.3808,
1.0147

■ 0.4147, 0.8160,
0.0000

■ 80.9175, 93.3527,
79.3997

■ 80.9175, 93.3527,
79.3997

■ 72.7252, 89.4835,
63.0194

■ 90.1419, 97.6948,
98.5063

■ 65.5249, 86.0693,
49.2369

95.0500, 100.0000,
108.9000

■ 59.2769, 83.0923,
37.9197

■ 53.9376, 80.5334,
28.9220

■ 49.4597, 78.3717,
22.0826

■ 45.7910, 76.5842,
17.2196

■ 42.8725, 75.1452,
14.1214

■ 40.6345, 74.0245,
12.5273

■ 39.7126, 73.5576,
12.1050

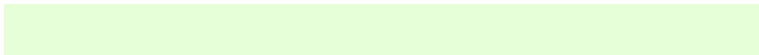
Harmonies

Analogous

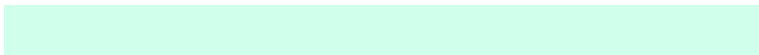
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.9914, 93.3527, 72.5641



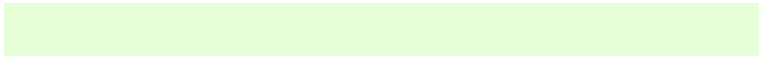
80.9175, 93.3527, 79.3997



78.0108, 93.3527, 92.5881

Triad

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



80.9175, 93.3527, 79.3997



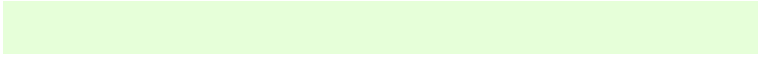
85.5074, 93.3527, 137.1480



100.5306, 93.3527, 93.9270

Complementary

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



80.9175, 93.3527, 79.3997



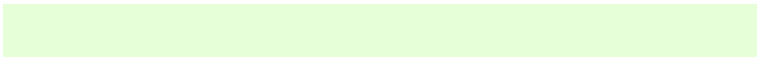
79.4816, 75.7241, 105.0348

Split Complementary

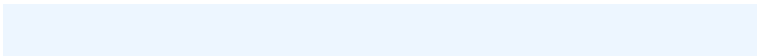
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



100.3865, 93.3527, 111.2745



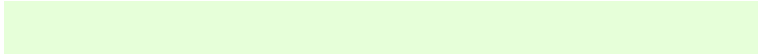
80.9175, 93.3527, 79.3997



91.5240, 93.3527, 137.6125

Square

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



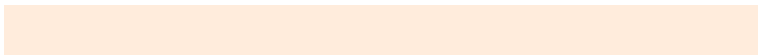
80.9175, 93.3527, 79.3997



80.5771, 93.3527, 126.4954



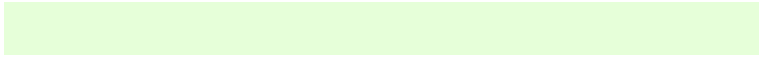
97.0276, 93.3527, 127.7001



97.4128, 93.3527, 80.2834

Rectangle

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



80.9175, 93.3527, 79.3997



77.6066, 93.3527, 103.8361



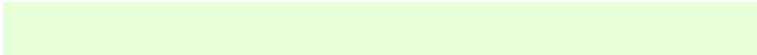
97.0276, 93.3527, 127.7001



100.8662, 93.3527, 99.4854

Sweetspot

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



80.9182, 93.3531, 79.4011



91.0250, 98.1098, 100.3658



85.4278, 89.5961, 78.4383



19.3252, 20.9253, 21.1498



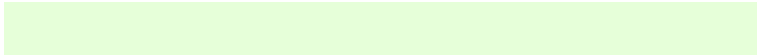
0.0000, 0.0000, 0.0000



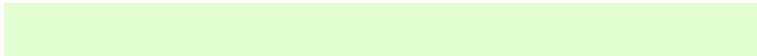
20.3446, 21.4041, 23.3091

Same Dimension

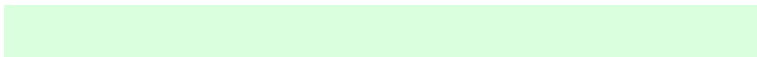
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.9182, 93.3531, 79.4011



78.2708, 92.1042, 74.0391



77.6550, 91.5837, 83.1859



18.3574, 20.4701, 19.1279



20.8937, 38.5092, 6.3318



2.1460, 3.8071, 0.6217

Inverse Universe

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



79.4816, 75.7241, 105.0348



76.5721, 71.2726, 104.3289



83.1992, 77.7451, 100.4895



18.1539, 17.9711, 22.7619



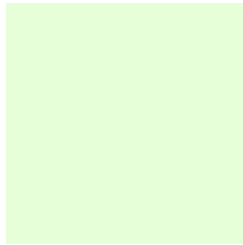
18.0096, 8.1948, 50.0671



1.8707, 0.8583, 4.8803

Previews

White Background



This preview shows how the XYZ color 80.9175, 93.3527, 79.3997 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 80.9175, 93.3527, 79.3997 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

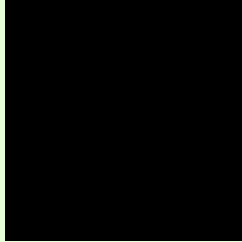
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

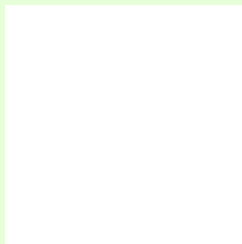
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 80.9175, 93.3527, 79.3997

Background



This preview shows how black text looks on a background with the XYZ color 80.9175, 93.3527, 79.3997.



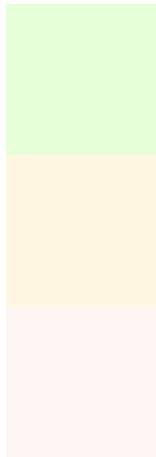
This preview shows how white text looks on a background with the XYZ color 80.9175, 93.3527,

79.3997.

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

80.9175, 93.3527, 79.3997

Protanopia

88.2282, 93.2725, 85.3048

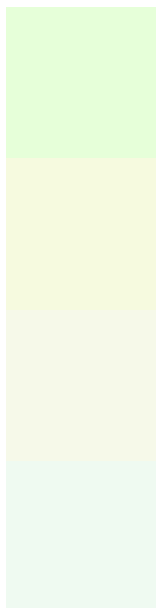
Deuteranopia

89.9194, 92.9756, 97.2112

Tritanopia

88.6190, 92.9746, 107.8829

Trichromacy



Original Color

80.9175, 93.3527, 79.3997

Protanomaly

85.5109, 93.2918, 83.3122

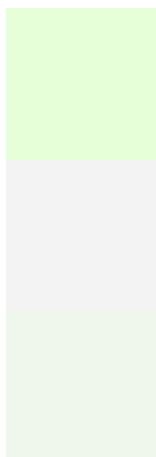
Deuteranomaly

86.5897, 93.2274, 90.5217

Tritanomaly

85.6594, 93.0728, 96.6692

Monochromacy



Original Color

80.9175, 93.3527, 79.3997

Achromatopsia

85.1904, 89.6269, 97.6037

Achromatomaly

83.3719, 90.6392, 90.9428

CSS Examples

Text

The CSS property to change the color of the text to XYZ 80.9175, 93.3527, 79.3997 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(230, 255, 217)` looks like.

```
.text, #text, p{  
    color:rgb(230, 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(230, 255, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 255, 217) }
```

Border

The CSS property to change the border of an element to XYZ 80.9175, 93.3527, 79.3997 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(230, 255, 217) }
```


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

```
.border{ border-color:rgb(230, 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(230, 255, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 255, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 255, 217);  
box-shadow:4px 4px 4px 4px rgb(230, 255,  
217) }
```

Background

The CSS property to change the background color of an element to XYZ 80.9175, 93.3527, 79.3997 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 255, 217) }
```

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

```
.background{ background-color: rgb(230,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor