

Converting Colors

XYZ(80.1966, 92.9873, 79.0850)

Have a look what the booklet for
XYZ(80.1966, 92.9873, 79.0850)
contains.

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Color

**XYZ(80.2793, 93.0237,
79.3698)**

Conversions

Conversions Part 1

Format	Color
Hex	E4FFD9
RGB	228, 255, 217
RGB Percent	89%, 100%, 85%
CMY	0.1059, 0.0000, 0.1490
CMYK	0.11, 0.00, 0.15, 0.00
HSL	103°, 100%, 93%
HSV	103°, 15%, 100%
XYZ	80.2793, 93.0237, 79.3698
YIQ	242.5950, -3.8940, -17.5420

Conversions

Conversions Part 2

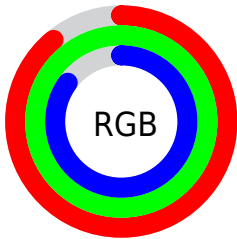
Format	Color
R _Y B	217, 255, 244
Decimal	15007705
CIE Lab	97.24, -15.46, 15.24
CIE LCh	97, 21.708, 135.404
Yxy	93.0237, 0.3177, 0.3682
Android (android.graphics.Color)	4293197785 (0xFFE4FFD9)
YUV	242.5950, -12.6183, -12.7998
Hunter-Lab	96.4488, -20.2106, 18.7231

Details

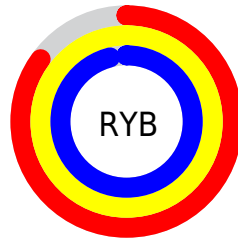
The XYZ color **80.2793, 93.0237, 79.3698** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **80.1718, 76.0799, 105.0671**, and the grayscale version is **84.9683, 89.3933, 97.3493**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **43.7289, 51.7675, 41.8698** is the 20% darker color. If you saturate the color by 10%, you get **71.7643, 88.9882, 62.9744**, and if you desaturate by 10%, it is **89.9106, 97.5755, 98.4954**.

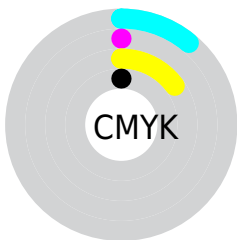
Distribution



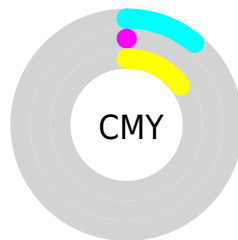
- Red (89%)
- Green (100%)
- Blue (85%)



- 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 80.2793, 93.0237, 79.3698 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 80.2793, 93.0237, 79.3698 by changing the saturation by 10% instead.


 80.2793, 93.0237,
79.3698

 80.2793, 93.0237,
79.3698


484.5958,
537.8185, 512.4571

 60.2575, 70.4912,
58.6768


132.7068,
151.5314, 134.2827

 43.8765, 51.9271,
41.9347

165.8432,
188.2754, 169.3397

 30.7709, 36.9470,
28.7250

204.0818,
230.5254, 210.0218

 20.5754, 25.1664,
18.6291

247.7880,
278.6657, 256.7475

 12.9247, 16.2011,
11.2285

297.3272,
333.0808, 309.9353

 7.4533, 9.6666,
6.1046

353.0646,

 3.7960, 5.1784,

394.1551, 370.0038

2.8390

415.3657,
462.2728, 437.3716

■ 1.5874, 2.3523,
1.0130

■ 0.3842, 0.8012,
0.0000

■ 80.2793, 93.0237,
79.3698

■ 80.2793, 93.0237,
79.3698

■ 71.7643, 88.9882,
62.9744

■ 89.9106, 97.5755,
98.4954

■ 64.3218, 85.4490,
49.1805

95.0500, 100.0000,
108.9000

■ 57.9075, 82.3864,
37.8556

■ 52.4737, 79.7787,
28.8534

■ 47.9681, 77.6027,
22.0127

■ 44.3332, 75.8327,
17.1514

■ 41.5042, 74.4399,
14.0573

■ 39.4047, 73.3905,
12.4698

■ 38.5699, 72.9685,
12.0515

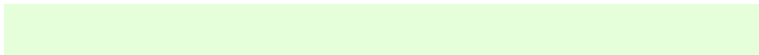
Harmonies

Analogous

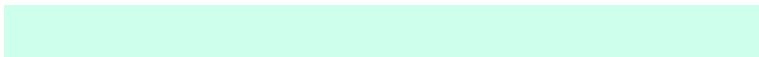
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.3197, 93.0237, 72.0822



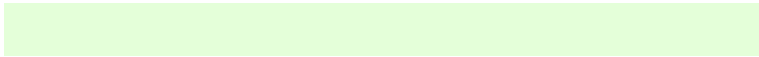
80.2793, 93.0237, 79.3698



77.4845, 93.0237, 93.0093

Triad

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



80.2793, 93.0237, 79.3698



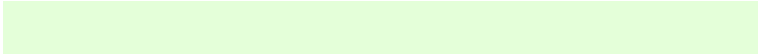
85.4766, 93.0237, 137.6257



100.2839, 93.0237, 92.5755

Complementary

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



80.2793, 93.0237, 79.3698



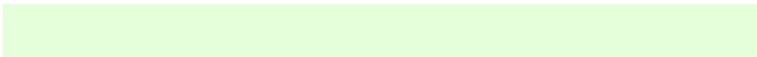
80.1718, 76.0799, 105.0671

Split Complementary

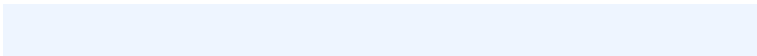
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



100.3307, 93.0237, 110.0419



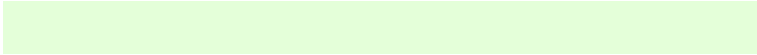
80.2793, 93.0237, 79.3698



91.5868, 93.0237, 137.4746

Square

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



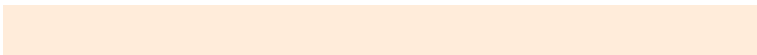
80.2793, 93.0237, 79.3698



80.3896, 93.0237, 127.2994



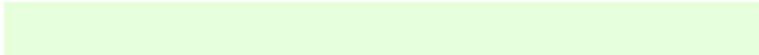
97.0852, 93.0237, 126.9077



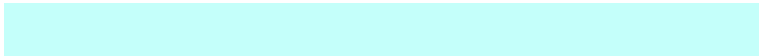
96.9602, 93.0237, 79.0840

Rectangle

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



80.2793, 93.0237, 79.3698



77.1842, 93.0237, 104.5021



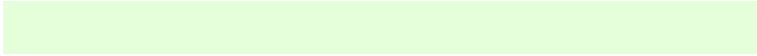
97.0852, 93.0237, 126.9077



100.6883, 93.0237, 98.1386

Sweetspot

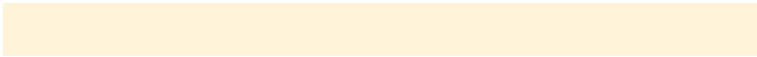
The Sweet Spot groups the original color and five complimentary colors.



80.2800, 93.0241, 79.3712



90.8347, 98.0116, 100.3568



85.9953, 90.7311, 78.6274



19.2771, 20.9005, 21.1476



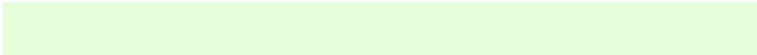
0.0000, 0.0000, 0.0000



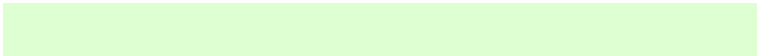
20.3446, 21.4041, 23.3091

Same Dimension

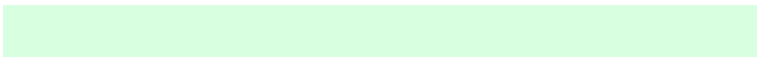
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.2800, 93.0241, 79.3712



77.5238, 91.7192, 74.0042



77.9122, 91.6865, 84.5404



18.2655, 20.4228, 19.1236



20.2808, 38.1932, 6.3031



2.0774, 3.7717, 0.6185

Inverse Universe

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



80.1718, 76.0799, 105.0671



77.3946, 71.6965, 104.3674



82.9037, 77.6269, 98.9340



18.2503, 18.0208, 22.7664



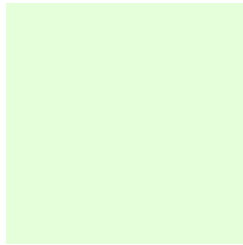
19.5667, 8.9975, 50.1400



2.0136, 0.9320, 4.8870

Previews

White Background



This preview shows how the XYZ color 80.2793, 93.0237, 79.3698 looks on a white background.

Color Contrast Check

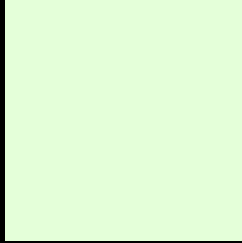
Large Text (above 18pt) WCAG AA × Fail

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 80.2793, 93.0237, 79.3698 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

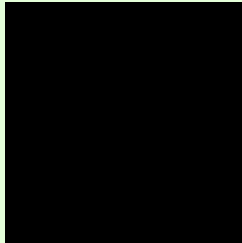
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

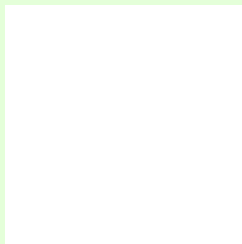
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 80.2793, 93.0237, 79.3698

Background



This preview shows how black text looks on a background with the XYZ color 80.2793, 93.0237, 79.3698.



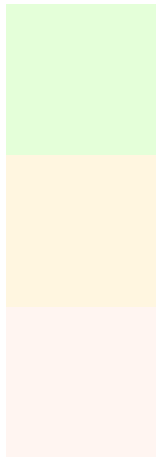
This preview shows how white text looks on a background with the XYZ color 80.2793, 93.0237,

79.3698.

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

80.2793, 93.0237, 79.3698

Protanopia

87.6503, 92.5534, 83.7659

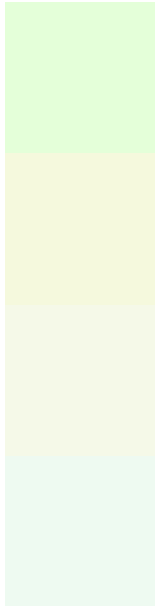
Deuteranopia

89.7696, 92.9157, 96.4222

Tritanopia

88.2729, 92.7962, 107.8667

Trichromacy



Original Color

80.2793, 93.0237, 79.3698

Protanomaly

84.5830, 92.3843, 81.7806

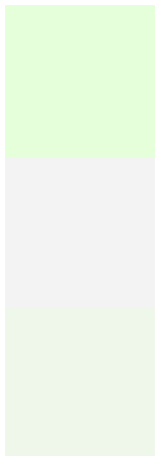
Deuteranomaly

86.0974, 92.9900, 89.7550

Tritanomaly

85.3227, 92.8992, 96.6534

Monochromacy



Original Color

80.2793, 93.0237, 79.3698

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 80.2793, 93.0237, 79.3698 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(228, 255, 217)` looks like.

```
.text, #text, p{  
    color:rgb(228, 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(228, 255, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 255, 217) }
```

Border

The CSS property to change the border of an element to XYZ 80.2793, 93.0237, 79.3698 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(228, 255, 217) }
```


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

```
.border{ border-color:rgb(228, 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(228, 255, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 255, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 255, 217);  
box-shadow:4px 4px 4px 4px rgb(228, 255,  
217) }
```

Background

The CSS property to change the background color of an element to XYZ 80.2793, 93.0237, 79.3698 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 255, 217) }
```

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

```
.background{ background-color: rgb(228,  
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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