

Converting Colors

XYZ(85.7203, 89.7318, 79.9214)

Have a look what the booklet for
XYZ(85.7203, 89.7318, 79.9214)
contains.

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Color

**XYZ(85.7783, 89.8787,
79.8452)**

Conversions

Conversions Part 1

Format	Color
Hex	FFF2DB
RGB	255, 242, 219
RGB Percent	100%, 95%, 86%
CMY	0.0000, 0.0510, 0.1412
CMYK	0.00, 0.05, 0.14, 0.00
HSL	38°, 100%, 93%
HSV	38°, 14%, 100%
XYZ	85.7783, 89.8787, 79.8452
YIQ	243.2650, 15.1310, -4.3970

Conversions

Conversions Part 2

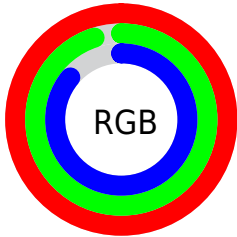
Format	Color
R _Y B	239, 255, 219
Decimal	16773851
CIE Lab	95.95, 0.66, 12.66
CIE LCh	96, 12.674, 87.013
Yxy	89.8787, 0.3357, 0.3518
Android (android.graphics.Color)	4294963931 (0xFFFFF2DB)
YUV	243.2650, -11.9626, 10.2916
Hunter-Lab	94.8044, -4.4022, 16.4284

Details

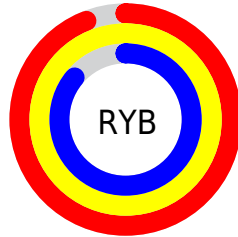
The XYZ color **85.7783, 89.8787, 79.8452** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **76.1194, 79.9912, 106.0357**, and the grayscale version is **85.4881, 89.9401, 97.9448**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **47.5484, 49.8039, 42.2290** is the 20% darker color. If you saturate the color by 10%, you get **80.0046, 83.2983, 62.6076**, and if you desaturate by 10%, it is **92.2085, 96.9482, 99.8410**.

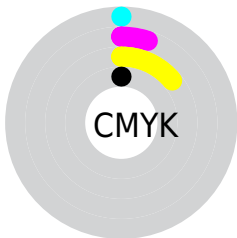
Distribution



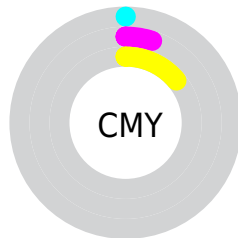
- Red (100%)
- Green (95%)
- Blue (86%)



- Red (94%)
- Yellow (100%)
- Blue (86%)



- Cyan (0%)
- Magenta (5%)
- Yellow (14%)
- Black (0%)





- Cyan (0%)
- Magenta (5%)
- Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 85.7783, 89.8787, 79.8452 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 85.7783, 89.8787, 79.8452 by changing the saturation by 10% instead.


 85.7783, 89.8787,
79.8452

 85.7783, 89.8787,
79.8452

502.6449,
527.6362, 514.1040

 64.8093, 67.8800,
59.0656


140.3685,
147.1699, 134.9575

 47.5706, 49.8002,
42.2455


174.7204,
183.2312, 170.1272

 33.6968, 35.2546,
28.9666


214.2640,
224.7489, 210.9308

 22.8226, 23.8591,
18.8102

259.3647,
272.1073, 257.7866

 14.5825, 15.2291,
11.3578

310.3877,
325.6908, 311.1133

 8.6113, 8.9803,
6.1908

367.6985,

 4.5436, 4.7284,

385.8839, 371.3294

2.8908

431.6625,
453.0709, 438.8535

■ 2.0140, 2.0888,
1.0392

■ 0.6418, 0.6583,
0.0000

■ 85.7783, 89.8787,
79.8452

■ 85.7783, 89.8787,
79.8452

■ 80.0046, 83.2983,
62.6076

■ 92.2085, 96.9482,
99.8410

■ 74.8556, 77.1823,
47.9991

95.0500, 100.0000,
108.9000

■ 70.3064, 71.5203,
35.8885

■ 66.3274, 66.2972,
26.1310

■ 62.8864, 61.4966,
18.5670

■ 59.9470, 57.1005,
13.0165

■ 57.4676, 53.0886,
9.2708

■ 55.3974, 49.4368,
7.0745

■ 54.3293, 47.4386,
6.2931

Harmonies

Analogous

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



89.1447, 89.8787, 82.5663



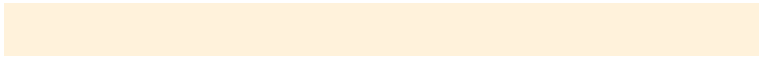
85.7783, 89.8787, 79.8452



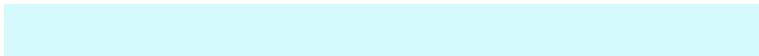
82.4060, 89.8787, 81.6725

Triad

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



85.7783, 89.8787, 79.8452



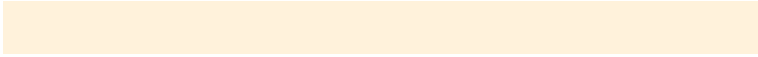
79.5691, 89.8787, 106.8824



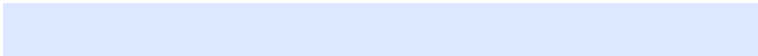
91.1986, 89.8787, 108.7386

Complementary

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



85.7783, 89.8787, 79.8452



76.1194, 79.9912, 106.0357

Split Complementary

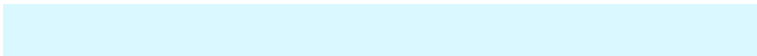
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



88.5210, 89.8787, 116.0623



85.7783, 89.8787, 79.8452



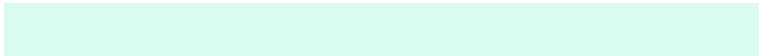
81.8142, 89.8787, 114.9403

Square

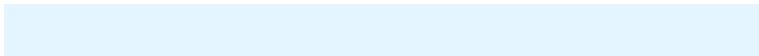
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



85.7783, 89.8787, 79.8452



78.8794, 89.8787, 96.8614



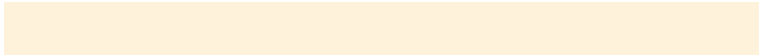
85.0767, 89.8787, 118.4050



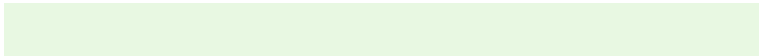
92.3272, 89.8787, 98.8708

Rectangle

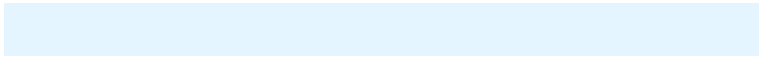
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



85.7783, 89.8787, 79.8452



80.5969, 89.8787, 85.2976



85.0767, 89.8787, 118.4050



90.4463, 89.8787, 111.6047

Sweetspot

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



85.7804, 89.8825, 79.8471



92.2876, 97.0337, 100.0915



81.1661, 77.7617, 87.2255



19.6447, 20.6517, 21.0802



0.0000, 0.0000, 0.0000



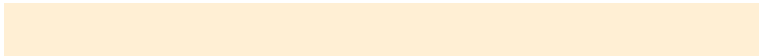
20.3446, 21.4041, 23.3091

Same Dimension

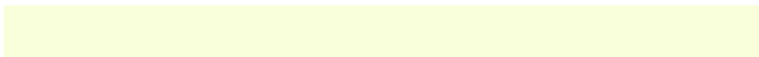
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.7804, 89.8825, 79.8471



84.0493, 87.9354, 74.5995



88.0426, 96.9956, 81.1008



18.9775, 19.9231, 18.9897



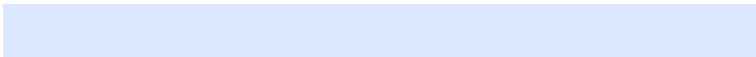
28.5349, 25.0811, 3.3372



2.8821, 2.6495, 0.3595

Inverse Universe

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



76.1194, 79.9912, 106.0357



72.6511, 76.2662, 105.4995



74.0610, 73.6997, 104.9298



17.5397, 18.4509, 22.8869



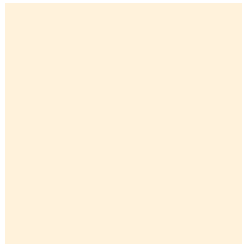
11.5617, 8.0330, 50.3757



1.2249, 0.9806, 4.9380

Previews

White Background



This preview shows how the XYZ color 85.7783, 89.8787, 79.8452 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 85.7783, 89.8787, 79.8452 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

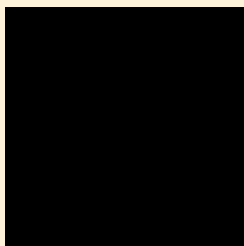
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 85.7783, 89.8787, 79.8452

Background



This preview shows how black text looks on a background with the XYZ color 85.7783, 89.8787, 79.8452.



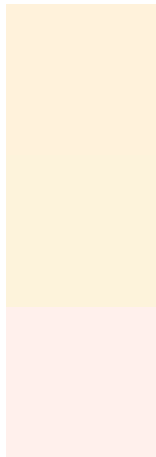
This preview shows how white text looks on a background with the XYZ color 85.7783, 89.8787,

79.8452.

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

85.7783, 89.8787, 79.8452

Protanopia

85.3448, 90.0983, 79.9104

Deuteranopia

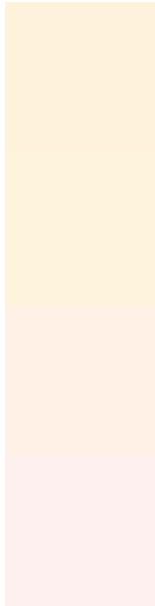
87.5404, 89.6363, 92.0445



Tritanopia

89.6772, 90.0213, 104.7448

Trichromacy



Original Color

85.7783, 89.8787, 79.8452

Protanomaly

85.7098, 90.2865, 79.9275

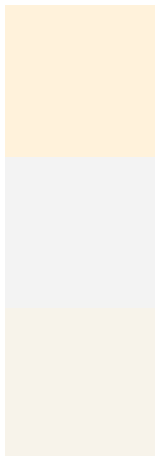
Deuteranomaly

86.9782, 89.8838, 87.6280

Tritanomaly

88.1283, 89.8714, 95.1401

Monochromacy



Original Color

85.7783, 89.8787, 79.8452

Achromatopsia

85.1904, 89.6269, 97.6037

Achromatomaly

85.2596, 89.8159, 90.6844

CSS Examples

Text

The CSS property to change the color of the text to XYZ 85.7783, 89.8787, 79.8452 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(255, 242, 219) looks like.

```
.text, #text, p{  
    color:rgb(255, 242, 219)  
}
```

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(255, 242, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 242, 219) }
```

Border

The CSS property to change the border of an element to XYZ 85.7783, 89.8787, 79.8452 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(255, 242, 219) }
```


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

```
.border{ border-color:rgb(255, 242, 219) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(255, 242, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 242, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 242, 219);  
box-shadow:4px 4px 4px 4px rgb(255, 242,  
219) }
```

Background

The CSS property to change the background color of an element to XYZ 85.7783, 89.8787, 79.8452 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 242, 219) }
```

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

```
.background{ background-color: rgb(255,  
242, 219) }
```

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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