

Converting Colors

XYZ(80.3276, 85.9875, 79.2640)

Have a look what the booklet for
XYZ(80.3276, 85.9875, 79.2640)
contains.

XYZ(80.5642, 86.3119, 79.4315)	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(80.5642, 86.3119,
79.4315)**

Conversions

Conversions Part 1

Format	Color
Hex	F2F0DB
RGB	242, 240, 219
RGB Percent	95%, 94%, 86%
CMY	0.0510, 0.0588, 0.1412
CMYK	0.00, 0.01, 0.10, 0.05
HSL	55°, 47%, 90%
HSV	55°, 10%, 95%
XYZ	80.5642, 86.3119, 79.4315
YIQ	238.2040, 7.9330, -6.1070

Conversions

Conversions Part 2

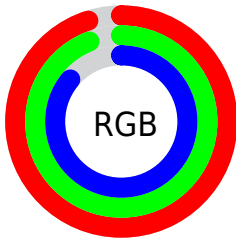
Format	Color
R_{YB}	221, 242, 219
Decimal	15921371
CIE _{Lab}	94.45, -2.87, 10.38
CIE _{LCh}	94, 10.770, 105.433
Yxy	86.3119, 0.3271, 0.3504
Android (android.graphics.Color)	4294111451 (0xFFFF2F0DB)
YUV	238.2040, -9.4676, 3.3291
Hunter-Lab	92.9042, -7.7916, 14.3410

Details

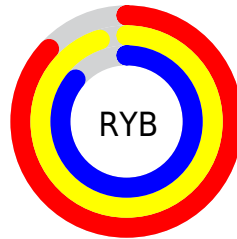
The XYZ color **80.5642, 86.3119, 79.4315** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **71.0967, 73.1825, 94.3836**, and the grayscale version is **81.4948, 85.7388, 93.3696**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.0910, 47.4004, 41.9473** is the 20% darker color. If you saturate the color by 10%, you get **76.9936, 83.9034, 63.6493**, and if you desaturate by 10%, it is **84.6099, 88.9276, 97.6593**.

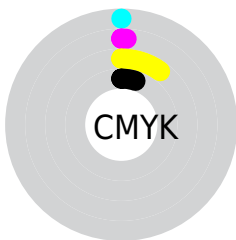
Distribution



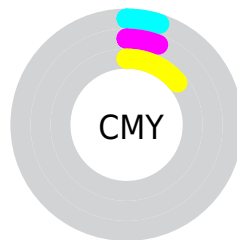
- Red (95%)
- Green (94%)
- Blue (86%)



- Red (87%)
- Yellow (95%)
- Blue (86%)



- Cyan (0%)
- Magenta (1%)
- Yellow (10%)
- Black (5%)



- Cyan (5%)
- Magenta (6%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 80.5642, 86.3119, 79.4315 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 80.5642, 86.3119, 79.4315 by changing the saturation by 10% instead.

80.5642, 86.3119,
79.4315

80.5642, 86.3119,
79.4315

485.5398,
515.9591, 512.6710

60.4928, 64.9259,
58.7272

133.1050,
142.2047, 134.3703

44.0670, 47.4010,
41.9750

166.3052,
177.4802, 169.4420

30.9213, 33.3528,
28.7563

204.6123,
218.1544, 210.1398

20.6904, 22.3968,
18.6526

248.3918,
264.6117, 256.8824

13.0091, 14.1488,
11.2452

298.0089,
317.2364, 310.0883

7.5118, 8.2242,
6.1158

353.8290,

3.8334, 4.2388,

376.4129, 370.1760

2.8457

416.2175,
442.5257, 437.5641

■ 1.6083, 1.8080,
1.0164

■ 0.3978, 0.4921,
0.0000

■ 80.5642, 86.3119,
79.4315

■ 80.5642, 86.3119,
79.4315

■ 76.9936, 83.9034,
63.6493

■ 84.6099, 88.9276,
97.6593

■ 73.8711, 81.6826,
50.2022

■ 87.0805, 90.9219,
107.5678

■ 71.1777, 79.6449,
38.9797

■ 87.7165, 92.1938,
107.7798

■ 68.8903, 77.7809,
29.8602

■ 88.3597, 93.4802,
107.9942

66.9836, 76.0805,
22.7102

89.0101, 94.7811,
108.2110

65.4292, 74.5322,
17.3812

89.6678, 96.0965,
108.4302

64.1949, 73.1233,
13.7035

90.3328, 97.4265,
108.6519

63.2425, 71.8382,
11.4755

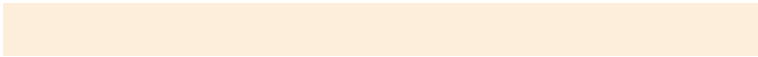
90.4283, 97.6174,
108.6837

62.5112, 70.6526,
10.3771

Harmonies

Analogous

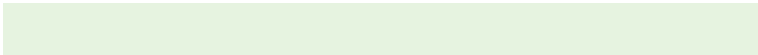
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.4452, 86.3119, 79.3758



80.5642, 86.3119, 79.4315



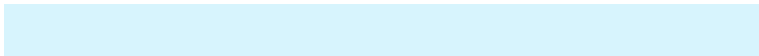
78.1340, 86.3119, 83.2278

Triad

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



80.5642, 86.3119, 79.4315



78.1915, 86.3119, 105.8026



87.5443, 86.3119, 98.0468

Complementary

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



80.5642, 86.3119, 79.4315



71.0967, 73.1825, 94.3836

Split Complementary

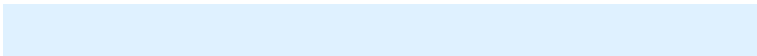
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



86.0676, 86.3119, 105.6184



80.5642, 86.3119, 79.4315



80.6445, 86.3119, 110.2717

Square

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



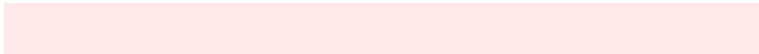
80.5642, 86.3119, 79.4315



76.7862, 86.3119, 98.2863



83.5274, 86.3119, 110.2023



87.5216, 86.3119, 89.7994

Rectangle

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



80.5642, 86.3119, 79.4315



77.0768, 86.3119, 87.5043



83.5274, 86.3119, 110.2023



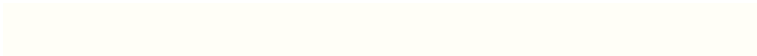
87.2053, 86.3119, 100.7654

Sweetspot

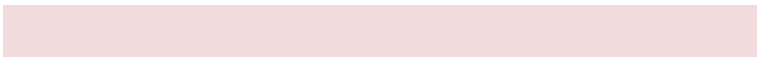
The Sweet Spot groups the original color and five complimentary colors.



80.5666, 86.3157, 79.4334



93.6312, 99.0944, 102.4714



75.0417, 74.7780, 79.0960



19.9616, 21.1592, 21.5746



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.



80.5666, 86.3157, 79.4334



90.0869, 96.7807, 86.5693



78.0783, 85.9096, 79.4861



16.9988, 18.2107, 16.7688



33.6139, 38.0260, 5.5681



2.8305, 3.2318, 0.4746

Inverse Universe

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



71.0967, 73.1825, 94.3836



77.8382, 79.7937, 105.9069



73.4180, 73.6018, 94.3422



15.0075, 15.4491, 19.9126



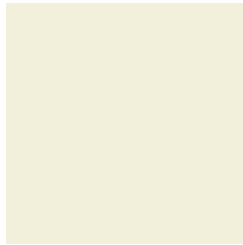
8.7940, 3.8123, 45.4002



0.7691, 0.3921, 3.7894

Previews

White Background



This preview shows how the XYZ color 80.5642, 86.3119, 79.4315 looks on a white background.

Color Contrast Check

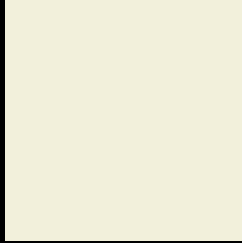
Large Text (above 18pt) WCAG AA × Fail

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 80.5642, 86.3119, 79.4315 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

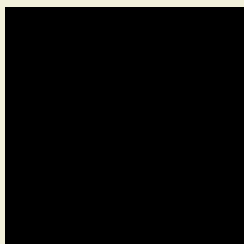
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

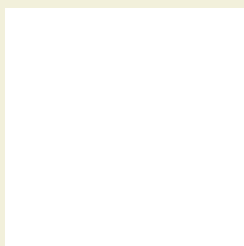
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 80.5642, 86.3119, 79.4315

Background



This preview shows how black text looks on a background with the XYZ color 80.5642, 86.3119, 79.4315.



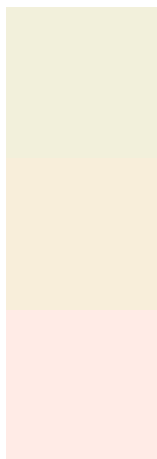
This preview shows how white text looks on a background with the XYZ color 80.5642, 86.3119,

79.4315.

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

80.5642, 86.3119, 79.4315

Protanopia

81.9408, 86.1675, 78.6429

Deuteranopia

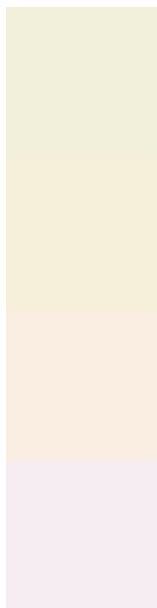
85.2313, 86.3898, 87.0456



Tritanopia

85.7957, 86.2827, 105.0608

Trichromacy



Original Color

80.5642, 86.3119, 79.4315

Protanomaly

81.5274, 86.3878, 78.7072

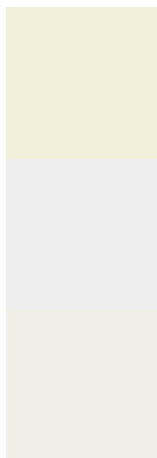
Deuteranomaly

83.4360, 86.3834, 84.2276

Tritanomaly

83.8176, 86.3317, 95.4651

Monochromacy



Original Color

80.5642, 86.3119, 79.4315

Achromatopsia

81.2670, 85.4993, 93.1087

Achromatomaly

80.8869, 85.8532, 87.9094

CSS Examples

Text

The CSS property to change the color of the text to XYZ 80.5642, 86.3119, 79.4315 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(242, 240, 219)` looks like.

```
.text, #text, p{  
    color:rgb(242, 240, 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(242, 240, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 240, 219) }
```

Border

The CSS property to change the border of an element to XYZ 80.5642, 86.3119, 79.4315 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(242, 240, 219) }
```


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

```
.border{ border-color:rgb(242, 240, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 240, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 240, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 240, 219);  
box-shadow:4px 4px 4px 4px rgb(242, 240,  
219) }
```

Background

The CSS property to change the background color of an element to XYZ 80.5642, 86.3119, 79.4315 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 240, 219) }
```

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

```
.background{ background-color: rgb(242,  
240, 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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