

Converting Colors

XYZ(80.2593, 85.4325, 85.2666)

Have a look what the booklet for
XYZ(80.2593, 85.4325, 85.2666)
contains.

XYZ(80.3282, 85.6298, 84.9675)	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(80.3282, 85.6298,
84.9675)**

Conversions

Conversions Part 1

Format	Color
Hex	EFEFE3
RGB	239, 239, 227
RGB Percent	94%, 94%, 89%
CMY	0.0627, 0.0627, 0.1098
CMYK	0.00, 0.00, 0.05, 0.06
HSL	60°, 27%, 91%
HSV	60°, 5%, 94%
XYZ	80.3282, 85.6298, 84.9675
YIQ	237.6320, 3.8520, -3.7320

Conversions

Conversions Part 2

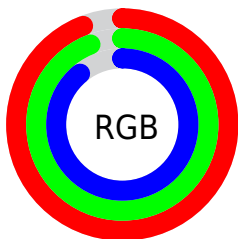
Format	Color
R _Y B	227, 239, 227
Decimal	15724515
CIE Lab	94.15, -2.07, 5.79
CIE LCh	94, 6.148, 109.684
Yxy	85.6298, 0.3201, 0.3413
Android (android.graphics.Color)	4293914595 (0xFFEFEF3)
YUV	237.6320, -5.2416, 1.1997
Hunter-Lab	92.5364, -6.9879, 10.3350

Details

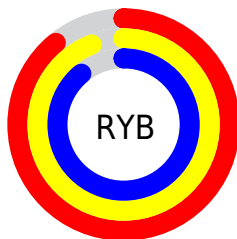
The XYZ color **80.3282, 85.6298, 84.9675** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **74.7310, 77.5034, 92.6868**, and the grayscale version is **81.0227, 85.2422, 92.8288**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **43.9083, 46.9128, 45.7706** is the 20% darker color. If you saturate the color by 10%, you get **77.2536, 84.4023, 68.7827**, and if you desaturate by 10%, it is **83.8656, 87.0479, 103.5678**.

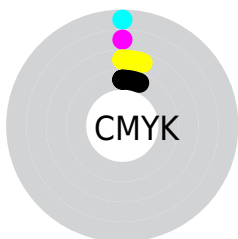
Distribution



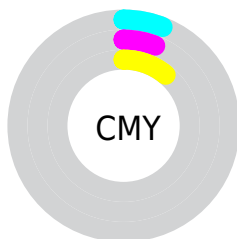
- Red (94%)
- Green (94%)
- Blue (89%)



- Red (89%)
- Yellow (94%)
- Blue (89%)



- Cyan (0%)
- Magenta (0%)
- Yellow (5%)
- Black (6%)



- Cyan (6%)
- Magenta (6%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 80.3282, 85.6298, 84.9675 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 80.3282, 85.6298, 84.9675 by changing the saturation by 10% instead.

80.3282, 85.6298,
84.9675

80.3282, 85.6298,
84.9675

484.7579,
513.7097, 531.6623

60.2979, 64.3619,
63.2645

132.7752,
141.2528, 142.2015

43.9091, 46.9438,
45.6129

165.9225,
176.3766, 178.5697

30.7967, 32.9913,
31.5940

204.1729,
216.8879, 220.6633

20.5951, 22.1198,
20.7893

247.8917,
263.1710, 268.9009

12.9392, 13.9449,
12.7803

297.4442,
315.6104, 323.7011

7.4634, 8.0824,
7.1485

353.1959,

3.8024, 4.1477,

374.5904, 385.4823

3.4753

415.5120,
440.4953, 454.6632

■ 1.5910, 1.7565,
1.3422

■ 0.3865, 0.4599,
0.0960

■ 80.3282, 85.6298,
84.9675

■ 80.3282, 85.6298,
84.9675

■ 77.2536, 84.4023,
68.7827

■ 83.8656, 87.0479,
103.5678

■ 74.6158, 83.3469,
54.9091


■ 84.5216, 87.3107,
107.0056


■ 72.3972, 82.4591,
43.2430


■ 84.5248, 87.3123,
107.0058


■ 70.5763, 81.7303,
33.6707

■ 84.5280, 87.3140,
107.0059

 69.1294, 81.1512,
26.0681


 84.5312, 87.3156,
107.0061

 68.0306, 80.7113,
20.2985


 84.5344, 87.3173,
107.0062


 67.2505, 80.3989,
16.2072

 84.5376, 87.3189,
107.0064

 66.7550, 80.2003,
13.6147

 84.5408, 87.3206,
107.0065

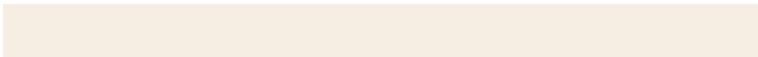
 66.5022, 80.0988,
12.3001

 84.5440, 87.3222,
107.0067

Harmonies

Analogous

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



81.9561, 85.6298, 84.6082



80.3282, 85.6298, 84.9675



79.0014, 85.6298, 87.4994

Triad

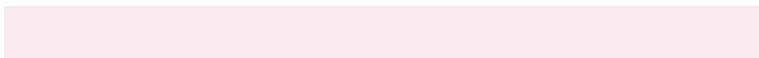
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



80.3282, 85.6298, 84.9675



79.3599, 85.6298, 100.3126



84.5391, 85.6298, 94.8673

Complementary

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



80.3282, 85.6298, 84.9675



74.7310, 77.5034, 92.6868

Split Complementary

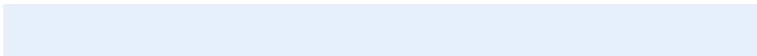
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



83.8233, 85.6298, 99.2186



80.3282, 85.6298, 84.9675



80.8237, 85.6298, 102.4319

Square

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



80.3282, 85.6298, 84.9675



78.4477, 85.6298, 96.3197



82.4582, 85.6298, 102.0249



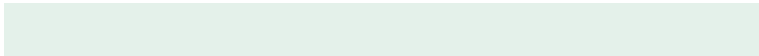
84.4021, 85.6298, 90.2194

Rectangle

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



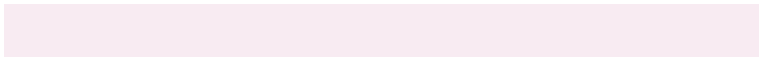
80.3282, 85.6298, 84.9675



78.4593, 85.6298, 90.1276



82.4582, 85.6298, 102.0249



84.3898, 85.6298, 96.4157

Sweetspot

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



80.3306, 85.6335, 84.9694



94.2389, 99.6755, 104.6327



76.9335, 78.8370, 83.8365



20.1795, 21.3380, 22.4404



0.0000, 0.0000, 0.0000



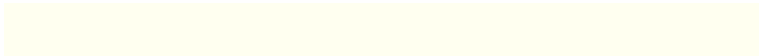
20.3446, 21.4041, 23.3091

Same Dimension

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



80.3306, 85.6335, 84.9694



92.6814, 99.0523, 96.4388



78.3391, 84.6069, 84.8762



17.3176, 18.5369, 17.8374



36.7116, 44.2471, 6.6056



3.0543, 3.6810, 0.5495

Inverse Universe

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



74.7310, 77.5034, 92.6868



84.9573, 87.8375, 107.0844



76.6559, 78.4957, 92.7769



15.7299, 16.2317, 20.0256



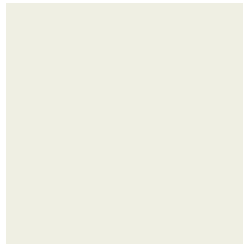
8.6108, 3.4444, 45.3389



0.7165, 0.2866, 3.7718

Previews

White Background



This preview shows how the XYZ color 80.3282, 85.6298, 84.9675 looks on a white background.

Color Contrast Check

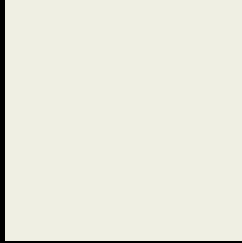
Large Text (above 18pt) WCAG AA × Fail

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 80.3282, 85.6298, 84.9675 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

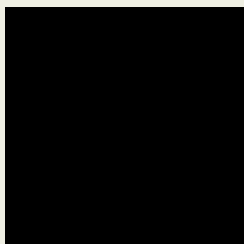
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

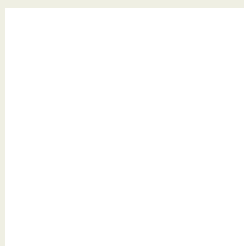
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 80.3282, 85.6298, 84.9675

Background



This preview shows how black text looks on a background with the XYZ color 80.3282, 85.6298, 84.9675.



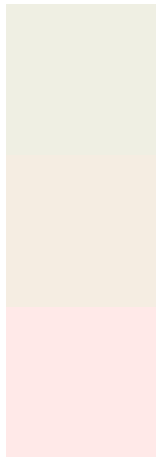
This preview shows how white text looks on a background with the XYZ color 80.3282, 85.6298, 84.9675.

84.9675.

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

80.3282, 85.6298, 84.9675

Protanopia

81.6678, 85.4718, 84.1449

Deuteranopia

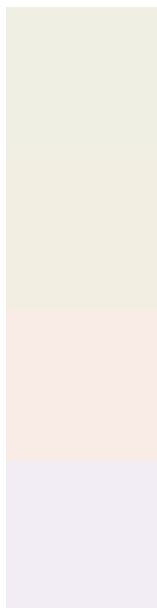
84.9444, 85.3640, 88.3438



Tritanopia

84.5599, 85.6271, 105.8368

Trichromacy



Original Color

80.3282, 85.6298, 84.9675

Protanomaly

81.2642, 85.6947, 84.2092

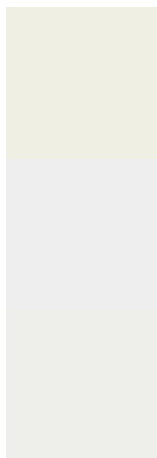
Deuteranomaly

83.0582, 85.2696, 86.9439

Tritanomaly

82.9425, 85.3998, 97.7002

Monochromacy



Original Color

80.3282, 85.6298, 84.9675

Achromatopsia

81.2670, 85.4993, 93.1087

Achromatomaly

80.6857, 85.2667, 90.0474

CSS Examples

Text

The CSS property to change the color of the text to XYZ 80.3282, 85.6298, 84.9675 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(239, 239, 227) looks like.

```
.text, #text, p{  
    color:rgb(239, 239, 227)  
}
```

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(239, 239, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 239, 227) }
```

Border

The CSS property to change the border of an element to XYZ 80.3282, 85.6298, 84.9675 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(239, 239, 227) }
```


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

```
.border{ border-color:rgb(239, 239, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(239, 239, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 239, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 239, 227);  
box-shadow:4px 4px 4px 4px rgb(239, 239,  
227) }
```

Background

The CSS property to change the background color of an element to XYZ 80.3282, 85.6298, 84.9675 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 239, 227) }
```

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

```
.background{ background-color: rgb(239,  
239, 227) }
```

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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