

Converting Colors

XYZ(80.5940, 86.4163, 77.2417)

Have a look what the booklet for
XYZ(80.5940, 86.4163, 77.2417)
contains.

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Color

**XYZ(80.5169, 86.3327,
77.3859)**

Conversions

Conversions Part 1

Format	Color
Hex	F3F0D8
RGB	243, 240, 216
RGB Percent	95%, 94%, 85%
CMY	0.0471, 0.0588, 0.1529
CMYK	0.00, 0.01, 0.11, 0.05
HSL	53°, 53%, 90%
HSV	53°, 11%, 95%
XYZ	80.5169, 86.3327, 77.3859
YIQ	238.1610, 9.4920, -6.8280

Conversions

Conversions Part 2

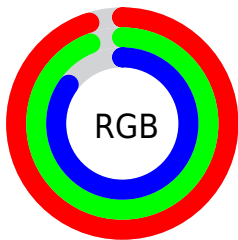
Format	Color
R_{YB}	219, 243, 216
Decimal	15986904
CIE Lab	94.45, -3.00, 11.96
CIE LCh	94, 12.325, 104.072
Yxy	86.3327, 0.3297, 0.3535
Android (android.graphics.Color)	4294176984 (0xFFFF3F0D8)
YUV	238.1610, -10.9254, 4.2438
Hunter-Lab	92.9154, -7.9207, 15.6603

Details

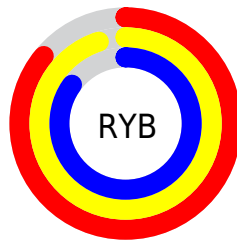
The XYZ color **80.5169, 86.3327, 77.3859** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **69.8280, 71.7318, 94.9602**, and the grayscale version is **81.4715, 85.7144, 93.3429**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.0670, 47.4190, 40.5484** is the 20% darker color. If you saturate the color by 10%, you get **76.8180, 83.5956, 61.7829**, and if you desaturate by 10%, it is **84.6970, 89.2869, 95.4435**.

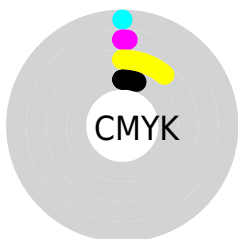
Distribution



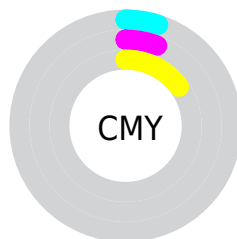
- Red (95%)
- Green (94%)
- Blue (85%)



- Red (86%)
- Yellow (95%)
- Blue (85%)



- Cyan (0%)
- Magenta (1%)
- Yellow (11%)
- Black (5%)



- Cyan (5%)
- Magenta (6%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 80.5169, 86.3327, 77.3859 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 80.5169, 86.3327, 77.3859 by changing the saturation by 10% instead.

80.5169, 86.3327,
77.3859

80.5169, 86.3327,
77.3859

485.3832,
516.0276, 505.5513

60.4537, 64.9431,
57.0562

133.0389,
142.2337, 131.4621

44.0353, 47.4150,
40.6407

166.2285,
177.5139, 166.0456

30.8963, 33.3638,
27.7209

204.5243,
218.1930, 206.2175

20.6713, 22.4053,
17.8781

248.2916,
264.6556, 252.3963

12.9951, 14.1550,
10.6940

297.8957,
317.2859, 305.0005

7.5021, 8.2286,
5.7499

353.7022,

3.8272, 4.2415,

376.4685, 364.4488

2.6273

416.0762,
442.5876, 431.1595

■ 1.6048, 1.8096,
0.9065

■ 0.3956, 0.4931,
0.0000

■ 80.5169, 86.3327,
77.3859

■ 80.5169, 86.3327,
77.3859

■ 76.8180, 83.5956,
61.7829

■ 84.6970, 89.2869,
95.4435

■ 73.5728, 81.0559,
48.5218

■ 87.7853, 91.8204,
107.7041

■ 70.7619, 78.7086,
37.4896

■ 88.6086, 93.4669,
107.9785

■ 68.3614, 76.5441,
28.5617

■ 89.4438, 95.1374,
108.2569

■ 66.3454, 74.5519,
21.6012

■ 90.2910, 96.8318,
108.5393

■ 64.6848, 72.7204,
16.4549

■ 90.7725, 97.7949,
108.6998

■ 63.3460, 71.0360,
12.9472

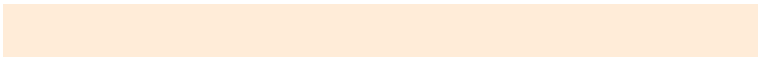
■ 62.2892, 69.4826,
10.8675

■ 61.5296, 68.1890,
9.9188

Harmonies

Analogous

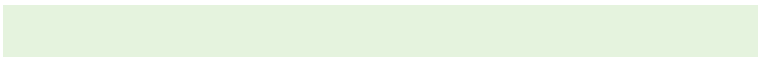
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.8181, 86.3327, 77.5204



80.5169, 86.3327, 77.3859



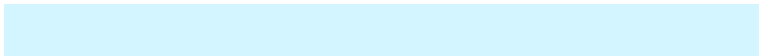
77.7033, 86.3327, 81.4887

Triad

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



80.5169, 86.3327, 77.3859



77.5625, 86.3327, 107.2767



88.3387, 86.3327, 99.1000

Complementary

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



80.5169, 86.3327, 77.3859



69.8280, 71.7318, 94.9602

Split Complementary

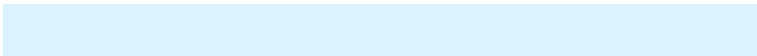
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



86.5697, 86.3327, 107.7341



80.5169, 86.3327, 77.3859



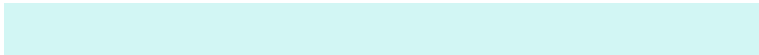
80.3201, 86.3327, 112.6674

Square

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



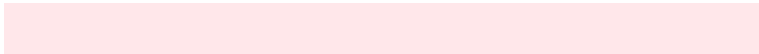
80.5169, 86.3327, 77.3859



76.0289, 86.3327, 98.5094



83.6159, 86.3327, 112.8402



88.3949, 86.3327, 89.6335

Rectangle

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



80.5169, 86.3327, 77.3859



76.4576, 86.3327, 86.2449



83.6159, 86.3327, 112.8402



87.9226, 86.3327, 102.2101

Sweetspot

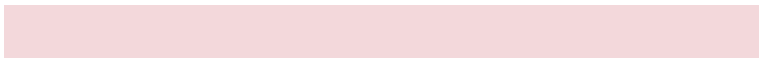
The Sweet Spot groups the original color and five complimentary colors.



80.5192, 86.3365, 77.3878



93.5724, 98.9768, 102.4518



74.3250, 73.2900, 77.3516



19.9456, 21.1274, 21.5693



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.



80.5192, 86.3365, 77.3878



89.0027, 95.7219, 82.7871



77.9364, 86.3248, 77.5216



17.7485, 18.9811, 17.5258



33.8316, 37.5487, 5.4645



3.0174, 3.3880, 0.4949

Inverse Universe

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



69.8280, 71.7318, 94.9602



75.1963, 76.8620, 105.4803



72.2085, 71.8094, 94.8497



15.7291, 16.2226, 20.8448



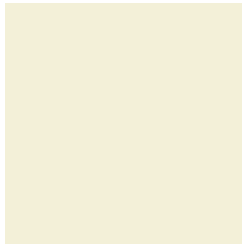
9.1407, 4.0751, 46.8428



0.8510, 0.4534, 4.1329

Previews

White Background



This preview shows how the XYZ color 80.5169, 86.3327, 77.3859 looks on a white background.

Color Contrast Check

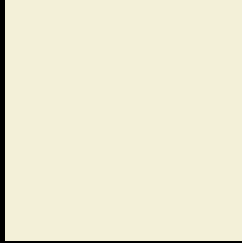
Large Text (above 18pt) WCAG AA × Fail

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 80.5169, 86.3327, 77.3859 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

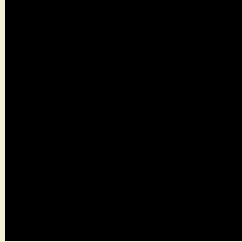
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

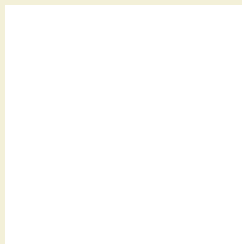
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 80.5169, 86.3327, 77.3859

Background



This preview shows how black text looks on a background with the XYZ color 80.5169, 86.3327, 77.3859.

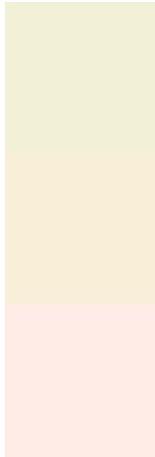


This preview shows how white text looks on a background with the XYZ color 80.5169, 86.3327,

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

80.5169, 86.3327, 77.3859

Protanopia

81.9072, 86.1951, 76.6103

Deuteranopia

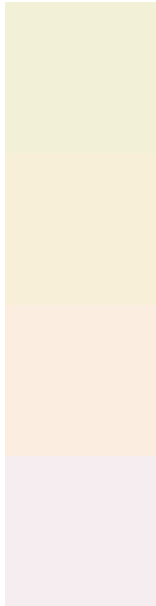
85.0912, 86.3338, 86.3080



Tritanopia

86.1494, 86.4650, 105.0774

Trichromacy



Original Color

80.5169, 86.3327, 77.3859

Protanomaly

81.4900, 86.4135, 76.6745

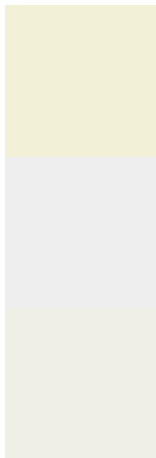
Deuteranomaly

83.5224, 86.4594, 82.8072

Tritanomaly

84.0184, 86.4525, 94.6968

Monochromacy



Original Color

80.5169, 86.3327, 77.3859

Achromatopsia

81.2670, 85.4993, 93.1087

Achromatomaly

81.0846, 85.9714, 87.1834

CSS Examples

Text

The CSS property to change the color of the text to XYZ 80.5169, 86.3327, 77.3859 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(243, 240, 216) looks like.

```
.text, #text, p{  
    color:rgb(243, 240, 216)  
}
```

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(243, 240, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 240, 216) }
```

Border

The CSS property to change the border of an element to XYZ 80.5169, 86.3327, 77.3859 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(243, 240, 216) }
```


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

```
.border{ border-color:rgb(243, 240, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(243, 240, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 240, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 240, 216);  
box-shadow:4px 4px 4px 4px rgb(243, 240,  
216) }
```

Background

The CSS property to change the background color of an element to XYZ 80.5169, 86.3327, 77.3859 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 240, 216) }
```

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

```
.background{ background-color: rgb(243,  
240, 216) }
```

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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