

Converting Colors

XYZ(83.6925, 86.1781, 77.6982)

Have a look what the booklet for
XYZ(83.6925, 86.1781, 77.6982)
contains.

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Color

**XYZ(83.7598, 86.2607,
77.8810)**

Conversions

Conversions Part 1

Format	Color
Hex	FFECD9
RGB	255, 236, 217
RGB Percent	100%, 93%, 85%
CMY	0.0000, 0.0745, 0.1490
CMYK	0.00, 0.07, 0.15, 0.00
HSL	30°, 100%, 93%
HSV	30°, 15%, 100%
XYZ	83.7598, 86.2607, 77.8810
YIQ	239.5150, 17.4230, -1.8810

Conversions

Conversions Part 2

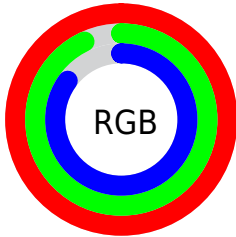
Format	Color
R _Y B	255, 255, 217
Decimal	16772313
CIE Lab	94.42, 3.40, 11.52
CIE LCh	94, 12.015, 73.543
Yxy	86.2607, 0.3379, 0.3480
Android (android.graphics.Color)	4294962393 (0xFFFFECD9)
YUV	239.5150, -11.0999, 13.5803
Hunter-Lab	92.8766, -1.5558, 15.2965

Details

The XYZ color **83.7598, 86.2607, 77.8810** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **76.6599, 81.9603, 106.3872**, and the grayscale version is **82.5217, 86.8192, 94.5461**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.1315, 47.2569, 40.8725** is the 20% darker color. If you saturate the color by 10%, you get **77.1565, 77.9581, 60.5611**, and if you desaturate by 10%, it is **91.1418, 95.2996, 97.9910**.

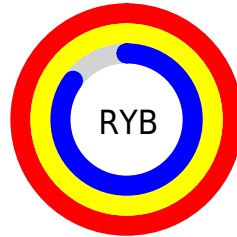
Distribution



Red (100%)

Green (93%)

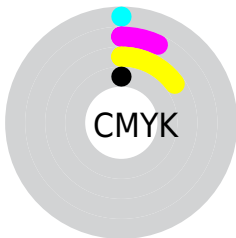
Blue (85%)



Red (100%)

Yellow (100%)

Blue (85%)

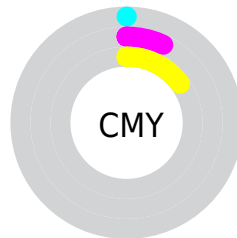


Cyan (0%)

Magenta (7%)

Yellow (15%)

Black (0%)



Cyan (0%)


Magenta (7%)

Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 83.7598, 86.2607, 77.8810 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 83.7598, 86.2607, 77.8810 by changing the saturation by 10% instead.


 83.7598, 86.2607,
77.8810

 83.7598, 86.2607,
77.8810

496.0610,
515.7904, 507.2798

 63.1362, 64.8836,
57.4604


137.5621,
142.1332, 132.1667

 46.2104, 47.3667,
40.9631


171.4715,
177.3974, 166.8688

 32.6172, 33.3256,
27.9708


210.5403,
218.0594, 207.1686

 21.9912, 22.3760,
18.0648

255.1336,
264.5036, 253.4844

 13.9670, 14.1334,
10.8266

305.6171,
317.1145, 306.2349

 8.1793, 8.2135,
5.8377

362.3558,

 4.2626, 4.2319,

376.2763, 365.8386

2.6794

425.7154,
442.3735, 432.7141

■ 1.8518, 1.8041,
0.9330

■ 0.5486, 0.4897,
0.0000

■ 83.7598, 86.2607,
77.8810

■ 83.7598, 86.2607,
77.8810

■ 77.1565, 77.9581,
60.5611

■ 91.1418, 95.2996,
97.9910

■ 71.2967, 70.3605,
45.9004

95.0500, 100.0000,
108.9000

■ 66.1517, 63.4502,
33.7659

■ 61.6880, 57.2046,
24.0105

■ 57.8692, 51.5994,
16.4717

■ 54.6547, 46.6086,
10.9665

■ 51.9979, 42.2029,
7.2818

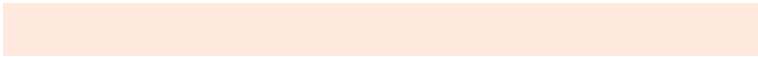
■ 49.8427, 38.3491,
5.1560

■ 48.8989, 36.5777,
4.4830

Harmonies

Analogous

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



86.5717, 86.2607, 82.1981



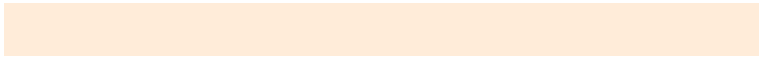
83.7598, 86.2607, 77.8810



80.5428, 86.2607, 77.6746

Triad

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



83.7598, 86.2607, 77.8810



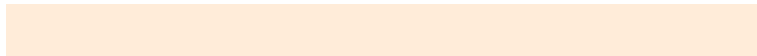
76.0988, 86.2607, 98.1492



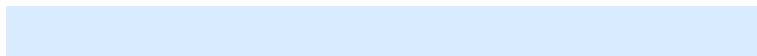
86.3404, 86.2607, 107.4113

Complementary

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



83.7598, 86.2607, 77.8810



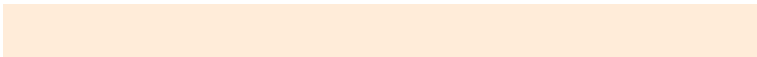
76.6599, 81.9603, 106.3872

Split Complementary

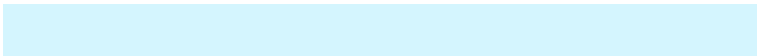
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



83.4508, 86.2607, 112.2932



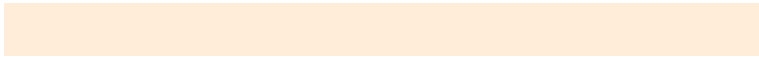
83.7598, 86.2607, 77.8810



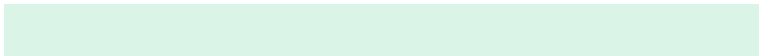
77.5694, 86.2607, 106.7135

Square

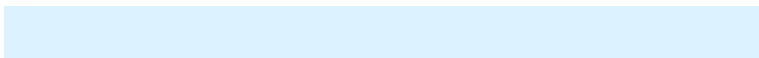
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



83.7598, 86.2607, 77.8810



76.1766, 86.2607, 88.9752



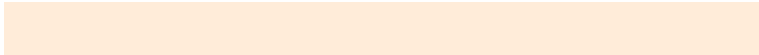
80.2418, 86.2607, 112.0297



88.0881, 86.2607, 99.0514

Rectangle

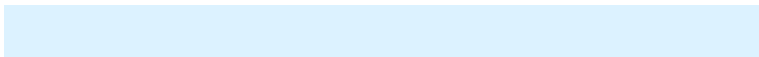
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



83.7598, 86.2607, 77.8810



78.6050, 86.2607, 79.8683



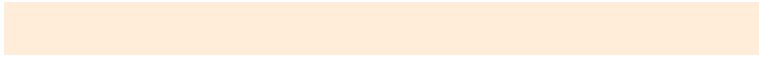
80.2418, 86.2607, 112.0297



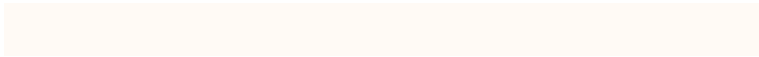
85.4671, 86.2607, 109.5373

Sweetspot

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



83.7619, 86.2644, 77.8828



91.8459, 96.1504, 99.9443



81.1938, 76.9428, 89.9296



19.5329, 20.4280, 21.0429



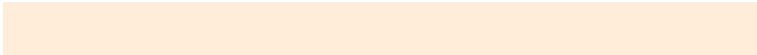
0.0000, 0.0000, 0.0000



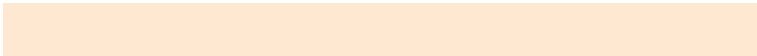
20.3446, 21.4041, 23.3091

Same Dimension

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



83.7619, 86.2644, 77.8828



81.6336, 83.6135, 72.2230



89.5246, 97.7898, 79.8037



18.7600, 19.4882, 18.9172



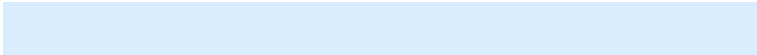
25.7000, 19.4113, 2.3922



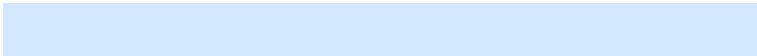
2.6115, 2.1084, 0.2693

Inverse Universe

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



76.6599, 81.9603, 106.3872



73.2416, 78.5276, 105.9048



71.4791, 71.5986, 104.6603



17.7532, 18.8780, 22.9581



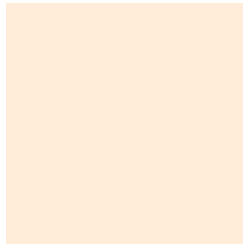
13.5778, 12.0651, 51.0478



1.4312, 1.3931, 5.0067

Previews

White Background



This preview shows how the XYZ color 83.7598, 86.2607, 77.8810 looks on a white background.

Color Contrast Check

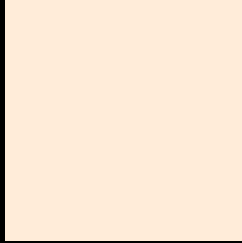
Large Text (above 18pt) WCAG AA × Fail

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 83.7598, 86.2607, 77.8810 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

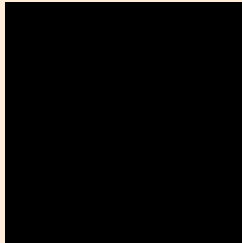
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 83.7598, 86.2607, 77.8810

Background



This preview shows how black text looks on a background with the XYZ color 83.7598, 86.2607, 77.8810.



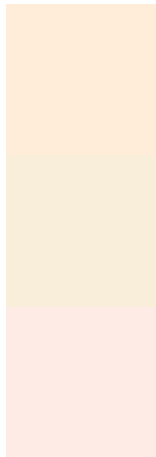
This preview shows how white text looks on a background with the XYZ color 83.7598, 86.2607,

77.8810.

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

83.7598, 86.2607, 77.8810

Protanopia

81.9408, 86.1675, 78.6429

Deuteranopia

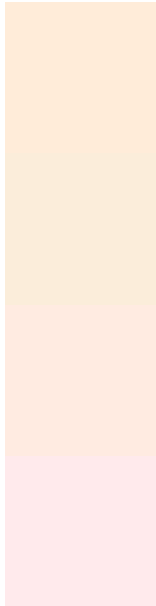
85.0912, 86.3338, 86.3080



Tritanopia

87.1674, 86.2532, 100.0500

Trichromacy



Original Color

83.7598, 86.2607, 77.8810

Protanomaly

82.7227, 86.1396, 78.5963

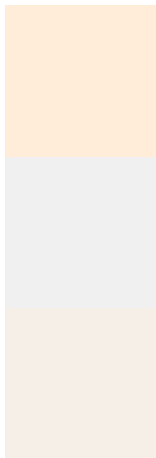
Deuteranomaly

84.5389, 86.1129, 83.3999

Tritanomaly

85.8031, 86.1618, 91.4655

Monochromacy



Original Color

83.7598, 86.2607, 77.8810

Achromatopsia

82.8234, 87.1367, 94.8919

Achromatomaly

83.0882, 86.9717, 88.7519

CSS Examples

Text

The CSS property to change the color of the text to XYZ 83.7598, 86.2607, 77.8810 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, 236, 217)` looks like.

```
.text, #text, p{  
    color:rgb(255, 236, 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(255, 236, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 236, 217) }
```

Border

The CSS property to change the border of an element to XYZ 83.7598, 86.2607, 77.8810 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, 236, 217) }
```


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

```
.border{ border-color:rgb(255, 236, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 236, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 236, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 236, 217);  
box-shadow:4px 4px 4px 4px rgb(255, 236,  
217) }
```

Background

The CSS property to change the background color of an element to XYZ 83.7598, 86.2607, 77.8810 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 236, 217) }
```

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

```
.background{ background-color: rgb(255,  
236, 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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