

Converting Colors

XYZ(80.3574, 88.1573, 87.7343)

Have a look what the booklet for
XYZ(80.3574, 88.1573, 87.7343)
contains.

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Color

**XYZ(80.5396, 88.3416,
87.6697)**

Conversions

Conversions Part 1

Format	Color
Hex	E9F5E6
RGB	233, 245, 230
RGB Percent	91%, 96%, 90%
CMY	0.0863, 0.0392, 0.0980
CMYK	0.05, 0.00, 0.06, 0.04
HSL	108°, 43%, 93%
HSV	108°, 6%, 96%
XYZ	80.5396, 88.3416, 87.6697
YIQ	239.7020, -2.3370, -7.2090

Conversions

Conversions Part 2

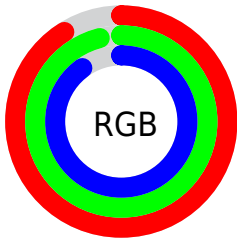
Format	Color
R _Y B	230, 245, 242
Decimal	15332838
CIE Lab	95.30, -6.62, 5.84
CIE LCh	95, 8.826, 138.561
Yxy	88.3416, 0.3139, 0.3443
Android (android.graphics.Color)	4293522918 (0xFFE9F5E6)
YUV	239.7020, -4.7831, -5.8777
Hunter-Lab	93.9902, -11.5274, 10.4902

Details

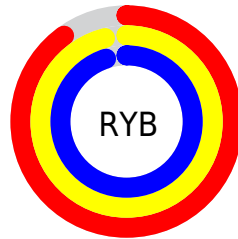
The XYZ color **80.5396, 88.3416, 87.6697** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **81.3997, 82.0659, 97.9408**, and the grayscale version is **82.6311, 86.9343, 94.6715**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.0669, 48.8374, 47.6614** is the 20% darker color. If you saturate the color by 10%, you get **71.2907, 83.9462, 70.5212**, and if you desaturate by 10%, it is **90.9880, 93.3046, 107.4023**.

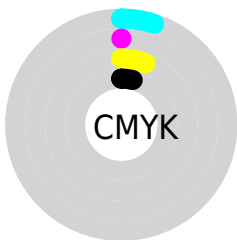
Distribution



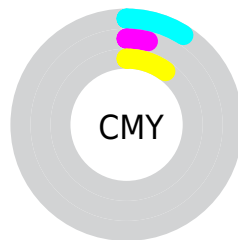
- Red (91%)
- Green (96%)
- Blue (90%)



- Red (90%)
- Yellow (96%)
- Blue (95%)



- Cyan (5%)
- Magenta (0%)
- Yellow (6%)
- Black (4%)





- Cyan (9%)
- Magenta (4%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 80.5396, 88.3416, 87.6697 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 80.5396, 88.3416, 87.6697 by changing the saturation by 10% instead.

 80.5396, 88.3416,
87.6697

 80.5396, 88.3416,
87.6697


485.4583,
522.6213, 540.7942

 60.4725, 66.6060,
65.4868


133.0707,
145.0326, 146.0043

 44.0505, 48.7645,
47.4020


166.2653,
180.7569, 182.9931

 30.9083, 34.4327,
32.9970


204.5665,
221.9128, 225.7542

 20.6805, 23.2262,
21.8530

248.3396,
268.8848, 274.7063

 13.0018, 14.7606,
13.5517

297.9500,
322.0572, 330.2677

 7.5068, 8.6516,
7.6743

353.7630,

 3.8301, 4.5146,

381.8145, 392.8572

3.8025

416.1440,
448.5411, 462.8932

■ 1.6065, 1.9654,
1.5176

■ 0.3966, 0.5873,
0.2310

■ 80.5396, 88.3416,
87.6697

■ 80.5396, 88.3416,
87.6697

■ 71.2907, 83.9462,
70.5212

■ 90.9880, 93.3046,
107.4023

■ 63.1907, 80.0869,
55.8443

■ 91.9441, 93.7882,
107.8647

■ 56.1962, 76.7465,
43.5267

■ 50.2583, 73.9024,
33.4454

■ 45.3243, 71.5303,
25.4659

■ 41.3367, 69.6039,
19.4395

■ 38.2318, 68.0940,
15.1981

■ 35.9378, 66.9677,
12.5451

■ 34.3697, 66.1866,
11.2365

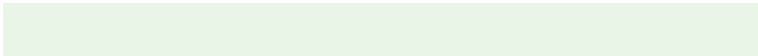
Harmonies

Analogous

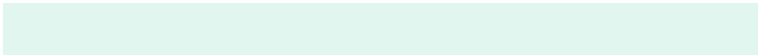
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.4995, 88.3416, 84.1476



80.5396, 88.3416, 87.6697



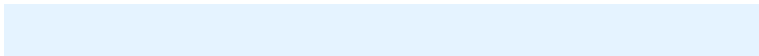
79.5052, 88.3416, 93.5806

Triad

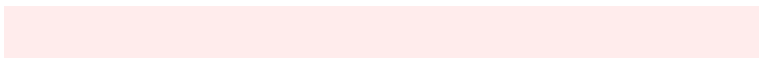
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



80.5396, 88.3416, 87.6697



83.0503, 88.3416, 109.7929



88.4364, 88.3416, 92.0258

Complementary

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



80.5396, 88.3416, 87.6697



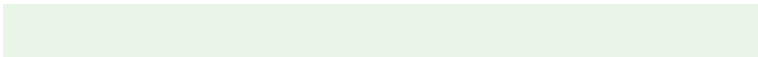
81.3997, 82.0659, 97.9408

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.



88.5907, 88.3416, 98.8454



80.5396, 88.3416, 87.6697



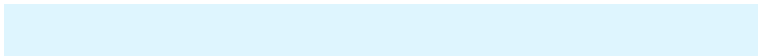
85.4498, 88.3416, 109.3275

Square

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



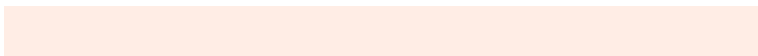
80.5396, 88.3416, 87.6697



80.9361, 88.3416, 106.4856



87.4883, 88.3416, 105.2430



87.0706, 88.3416, 86.5784

Rectangle

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



80.5396, 88.3416, 87.6697



79.4662, 88.3416, 98.1782



87.4883, 88.3416, 105.2430



88.6326, 88.3416, 94.2268

Sweetspot

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



80.5421, 88.3454, 87.6716



92.7543, 98.9102, 104.5632



83.6949, 88.6339, 87.5611



19.8773, 21.1823, 22.4262



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

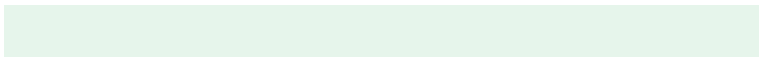
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.5421, 88.3454, 87.6716



87.2476, 96.2945, 94.2240



80.2115, 88.1010, 90.9989



16.9806, 18.8164, 18.2443



18.3612, 35.5784, 5.8996



1.6938, 3.1683, 0.5223

Inverse Universe

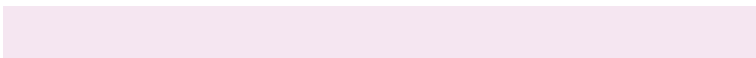
The Inverse Universe completely reimagines the original color for something new.



81.3997, 82.0659, 97.9408



88.3169, 88.4647, 107.0283



81.7587, 82.3295, 94.4136



17.2064, 17.1628, 20.9484



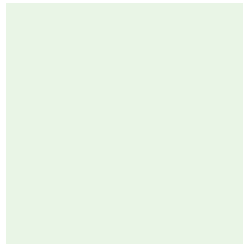
21.2614, 9.9350, 47.3351



1.9492, 0.9147, 4.1641

Previews

White Background



This preview shows how the XYZ color 80.5396, 88.3416, 87.6697 looks on a white background.

Color Contrast Check

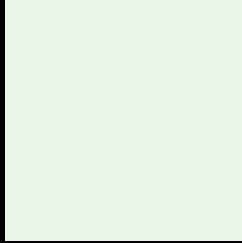
Large Text (above 18pt) WCAG AA × Fail

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 80.5396, 88.3416, 87.6697 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

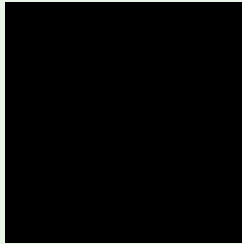
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

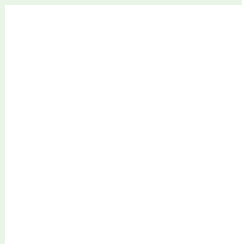
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 80.5396, 88.3416, 87.6697

Background



This preview shows how black text looks on a background with the XYZ color 80.5396, 88.3416, 87.6697.



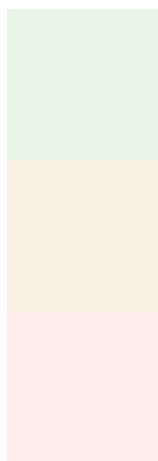
This preview shows how white text looks on a background with the XYZ color 80.5396, 88.3416,

87.6697.

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

80.5396, 88.3416, 87.6697

Protanopia

84.0921, 88.0060, 85.2278

Deuteranopia

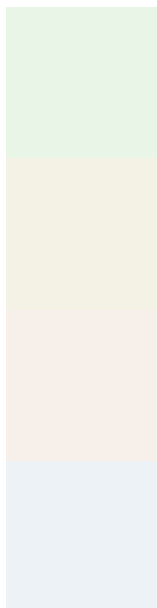
86.8102, 87.9428, 92.5200



Tritanopia

85.1019, 88.4813, 107.2010

Trichromacy



Original Color

80.5396, 88.3416, 87.6697

Protanomaly

82.7179, 88.1604, 86.0557

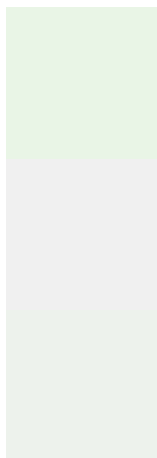
Deuteranomaly

84.3691, 88.0348, 90.3876

Tritanomaly

83.3117, 88.1626, 99.8149

Monochromacy



Original Color

80.5396, 88.3416, 87.6697

Achromatopsia

82.8234, 87.1367, 94.8919

Achromatomaly

81.8175, 87.5649, 91.9464

CSS Examples

Text

The CSS property to change the color of the text to XYZ 80.5396, 88.3416, 87.6697 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(233, 245, 230)` looks like.

```
.text, #text, p{  
    color:rgb(233, 245, 230)  
}
```

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(233, 245, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 245, 230) }
```

Border

The CSS property to change the border of an element to XYZ 80.5396, 88.3416, 87.6697 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(233, 245, 230) }
```


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

```
.border{ border-color:rgb(233, 245, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 245, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 245, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 245, 230);  
box-shadow:4px 4px 4px 4px rgb(233, 245,  
230) }
```

Background

The CSS property to change the background color of an element to XYZ 80.5396, 88.3416, 87.6697 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 245, 230) }
```

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

```
.background{ background-color: rgb(233,  
245, 230) }
```

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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