

Converting Colors

XYZ(80.0487, 91.1884, 85.8812)

Have a look what the booklet for
XYZ(80.0487, 91.1884, 85.8812)
contains.

XYZ(80.0396, 91.3356, 86.0840)	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(80.0396, 91.3356,
86.0840)**

Conversions

Conversions Part 1

Format	Color
Hex	E2FCE3
RGB	226, 252, 227
RGB Percent	89%, 99%, 89%
CMY	0.1137, 0.0117, 0.1098
CMYK	0.10, 0.00, 0.10, 0.01
HSL	122°, 81%, 94%
HSV	122°, 10%, 99%
XYZ	80.0396, 91.3356, 86.0840
YIQ	241.3760, -7.4710, -13.2870

Conversions

Conversions Part 2

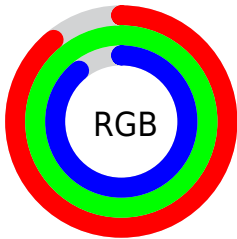
Format	Color
R _Y B	226, 251, 252
Decimal	14875875
CIE Lab	96.55, -12.96, 9.11
CIE LCh	97, 15.842, 144.879
Yxy	91.3356, 0.3109, 0.3548
Android (android.graphics.Color)	4293065955 (0xFFE2FCE3)
YUV	241.3760, -7.0874, -13.4848
Hunter-Lab	95.5697, -17.7531, 13.4935

Details

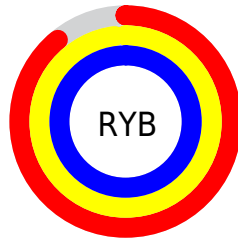
The XYZ color **80.0396, 91.3356, 86.0840** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **84.7572, 82.0555, 102.6424**, and the grayscale version is **83.9658, 88.3385, 96.2007**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **43.7561, 50.6667, 46.5032** is the 20% darker color. If you saturate the color by 10%, you get **69.5983, 86.3151, 69.3489**, and if you desaturate by 10%, it is **92.1181, 97.1509, 105.3565**.

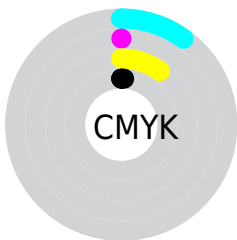
Distribution



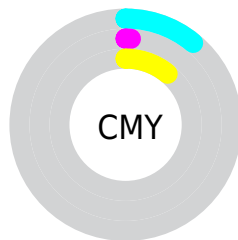
- Red (89%)
- Green (99%)
- Blue (89%)



- Red (89%)
- Yellow (98%)
- Blue (99%)



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





- Cyan (11%)
- Magenta (1%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 80.0396, 91.3356, 86.0840 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 80.0396, 91.3356, 86.0840 by changing the saturation by 10% instead.


 80.0396, 91.3356,
86.0840

 80.0396, 91.3356,
86.0840


483.8008,
532.3660, 535.4460

 60.0595, 69.0889,
64.1821

132.3716,
149.1922, 143.7743

 43.7163, 50.7841,
46.3511


165.4543,
185.5709, 180.3998

 30.6445, 36.0368,
32.1723


203.6352,
227.4291, 222.7703

 20.4788, 24.4626,
21.2272

247.2797,
275.1512, 271.3042

 12.8538, 15.6772,
13.0973

296.7532,
329.1215, 326.4203

 7.4043, 9.2960,
7.3641

352.4209,

 3.7647, 4.9348,

389.7245, 388.5369

3.6089

414.6483,
457.3445, 458.0726

■ 1.5699, 2.2090,
1.4134

■ 0.3727, 0.7249,
0.1521

■ 80.0396, 91.3356,
86.0840

■ 80.0396, 91.3356,
86.0840

■ 69.5983, 86.3151,
69.3489

■ 92.1181, 97.1509,
105.3565

■ 60.7166, 82.0440,
55.0399

■ 94.1022, 98.1043,
108.5841

■ 53.3220, 78.4897,
43.0461

■ 47.3332, 75.6131,
33.2461

■ 42.6610, 73.3710,
25.5071

■ 39.2064, 71.7154,
19.6819

■ 36.8559, 70.5915,
15.6041

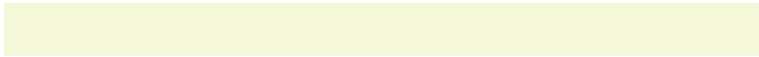
■ 35.4750, 69.9341,
13.0789

■ 34.8653, 69.6456,
11.8837

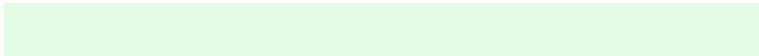
Harmonies

Analogous

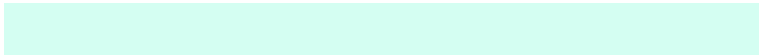
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.2828, 91.3356, 78.9485



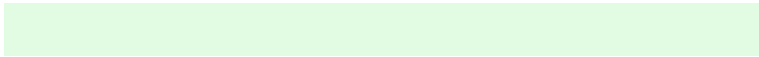
80.0396, 91.3356, 86.0840



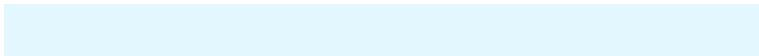
78.6135, 91.3356, 97.2905

Triad

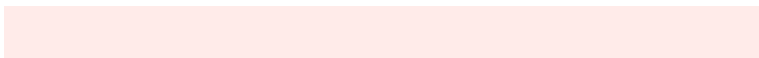
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



80.0396, 91.3356, 86.0840



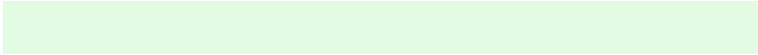
86.0548, 91.3356, 125.7347



94.7581, 91.3356, 89.5500

Complementary

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



80.0396, 91.3356, 86.0840



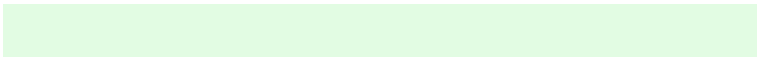
84.7572, 82.0555, 102.6424

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.



95.5610, 91.3356, 101.6391



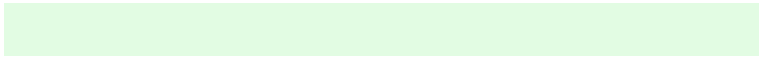
80.0396, 91.3356, 86.0840



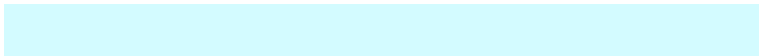
90.4390, 91.3356, 123.2225

Square

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



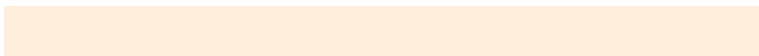
80.0396, 91.3356, 86.0840



82.0102, 91.3356, 120.7312



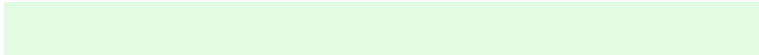
93.9555, 91.3356, 114.1302



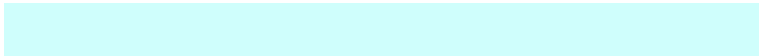
91.7971, 91.3356, 80.8273

Rectangle

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



80.0396, 91.3356, 86.0840



78.8489, 91.3356, 105.8351



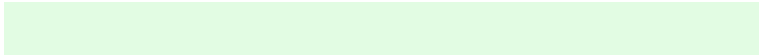
93.9555, 91.3356, 114.1302



95.2935, 91.3356, 93.3250

Sweetspot

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



80.0421, 91.3395, 86.0860



91.1294, 98.1131, 102.6525



88.3735, 95.6504, 85.7573



19.2868, 20.8950, 21.6232



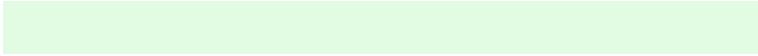
0.0000, 0.0000, 0.0000



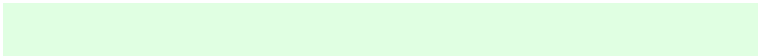
20.3446, 21.4041, 23.3091

Same Dimension

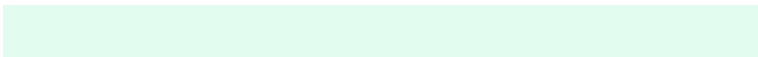
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.0421, 91.3395, 86.0860



80.2941, 92.8991, 85.3469



81.8857, 92.0769, 95.7940



17.0444, 19.3200, 18.4346



18.1729, 36.2822, 6.2538



1.6923, 3.3640, 0.6277

Inverse Universe

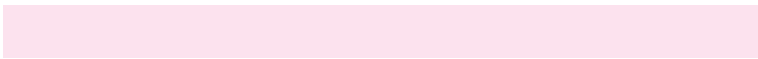
The Inverse Universe completely reimagines the original color for something new.



84.7572, 82.0555, 102.6424



85.8644, 81.9310, 104.9062



82.7965, 81.2712, 92.3175



17.9625, 17.5124, 21.6583



29.2979, 14.1349, 45.1386



2.7222, 1.3126, 4.2267

Previews

White Background



This preview shows how the XYZ color 80.0396, 91.3356, 86.0840 looks on a white background.

Color Contrast Check

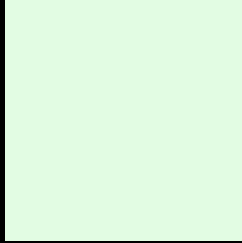
Large Text (above 18pt) WCAG AA × Fail

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 80.0396, 91.3356, 86.0840 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

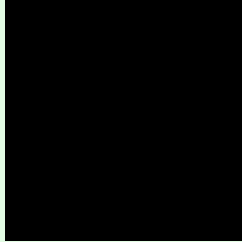
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

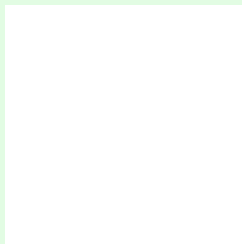
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 80.0396, 91.3356, 86.0840

Background



This preview shows how black text looks on a background with the XYZ color 80.0396, 91.3356, 86.0840.



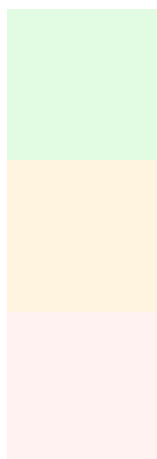
This preview shows how white text looks on a background with the XYZ color 80.0396, 91.3356,

86.0840.

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

80.0396, 91.3356, 86.0840

Protanopia

86.5430, 91.0999, 82.8348

Deuteranopia

88.7203, 91.0555, 95.3375



Tritanopia

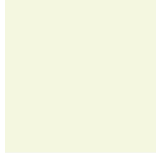
86.6024, 91.4823, 107.7011

Trichromacy



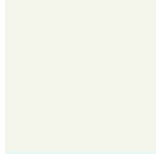
Original Color

80.0396, 91.3356, 86.0840



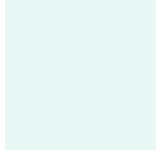
Protanomaly

84.0235, 91.1364, 83.6836



Deuteranomaly

85.2594, 91.1428, 91.6959



Tritanomaly

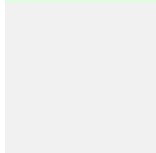
83.9805, 91.2198, 99.5671

Monochromacy



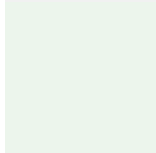
Original Color

80.0396, 91.3356, 86.0840



Achromatopsia

83.6081, 87.9622, 95.7909



Achromatomaly

82.3848, 89.1938, 92.2309

CSS Examples

Text

The CSS property to change the color of the text to XYZ 80.0396, 91.3356, 86.0840 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(226, 252, 227)` looks like.

```
.text, #text, p{  
    color:rgb(226, 252, 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(226, 252, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 252, 227) }
```

Border

The CSS property to change the border of an element to XYZ 80.0396, 91.3356, 86.0840 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(226, 252, 227) }
```


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

```
.border{ border-color:rgb(226, 252, 227) }
```

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

Here you see how a box with a 4 pixel rgb(226, 252, 227) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 252, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 252, 227);  
box-shadow:4px 4px 4px 4px rgb(226, 252,  
227) }
```

Background

The CSS property to change the background color of an element to XYZ 80.0396, 91.3356, 86.0840 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 252, 227) }
```

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

```
.background{ background-color: rgb(226,  
252, 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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