

Converting Colors

XYZ(80.4046, 89.2234, 85.6571)

Have a look what the booklet for
XYZ(80.4046, 89.2234, 85.6571)
contains.

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Color

**XYZ(80.4046, 89.2234,
85.6571)**

Conversions

Conversions Part 1

Format	Color
Hex	E8F7E3
RGB	232, 247, 227
RGB Percent	91%, 97%, 89%
CMY	0.0902, 0.0313, 0.1098
CMYK	0.06, 0.00, 0.08, 0.03
HSL	105°, 56%, 93%
HSV	105°, 8%, 97%
XYZ	80.4046, 89.2234, 85.6571
YIQ	240.2350, -2.5200, -9.4000

Conversions

Conversions Part 2

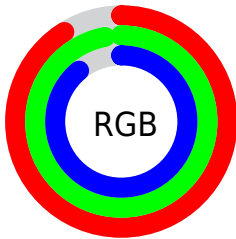
Format	Color
R_{YB}	227, 247, 242
Decimal	15267811
CIE Lab	95.67, -8.47, 7.91
CIE LCh	96, 11.593, 136.956
Yxy	89.2234, 0.3150, 0.3495
Android (android.graphics.Color)	4293457891 (0xFFE8F7E3)
YUV	240.2350, -6.5249, -7.2221
Hunter-Lab	94.4581, -13.3591, 12.3550

Details

The XYZ color **80.4046, 89.2234, 85.6571** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **80.8791, 80.5333, 99.2820**, and the grayscale version is **83.0615, 87.3872, 95.1647**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **43.9817, 49.4703, 46.2604** is the 20% darker color. If you saturate the color by 10%, you get **71.5372, 85.0207, 68.7045**, and if you desaturate by 10%, it is **90.4001, 93.9563, 105.2192**.

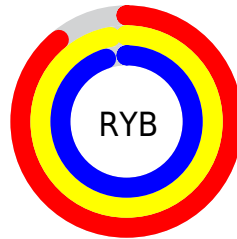
Distribution



Red (91%)

Green (97%)

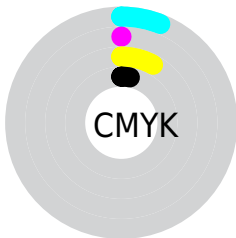
Blue (89%)



Red (89%)

Yellow (97%)

Blue (95%)

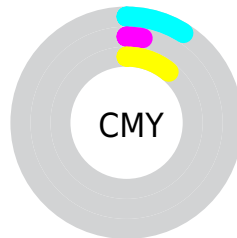


Cyan (6%)

Magenta (0%)

Yellow (8%)

Black (3%)



Cyan (9%)


Magenta (3%)


Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 80.4046, 89.2234, 85.6571 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 80.4046, 89.2234, 85.6571 by changing the saturation by 10% instead.


 80.4046, 89.2234,
85.6571

 80.4046, 89.2234,
85.6571


485.0111,
525.5014, 534.0011

 60.3610, 67.3367,
63.8312

132.8820,
146.2592, 143.1732

 43.9602, 49.3583,
46.0687


166.0464,
182.1771, 179.7004

 30.8370, 34.9038,
31.9509


204.3152,
223.5408, 221.9652

 20.6260, 23.5888,
21.0595

248.0536,
270.7349, 270.3861

 12.9618, 15.0289,
12.9759

297.6270,
324.1435, 325.3816

 7.4791, 8.8396,
7.2814

353.4009,

 3.8124, 4.6367,

384.1512, 387.3702

3.5576

415.7405,
451.1424, 456.7705

■ 1.5966, 2.0357,
1.3859

■ 0.3902, 0.6281,
0.1307

■ 80.4046, 89.2234,
85.6571

■ 80.4046, 89.2234,
85.6571

■ 71.5372, 85.0207,
68.7045

■ 90.4001, 93.9563,
105.2192

■ 63.7503, 81.3184,
54.2456

■ 92.5525, 95.0050,
108.0675

■ 57.0036, 78.1008,
42.1643

■ 51.2514, 75.3470,
32.3332

■ 46.4444, 73.0348,
24.6129

■ 42.5290, 71.1399,
18.8486

■ 39.4455, 69.6353,
14.8640

■ 37.1261, 68.4906,
12.4516

■ 35.4852, 67.6679,
11.3258

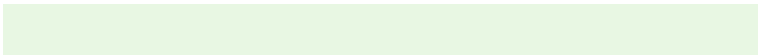
Harmonies

Analogous

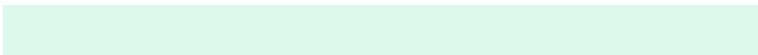
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.0298, 89.2234, 81.3122



80.4046, 89.2234, 85.6571



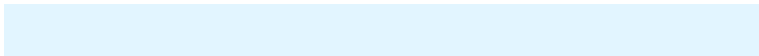
78.9740, 89.2234, 93.2421

Triad

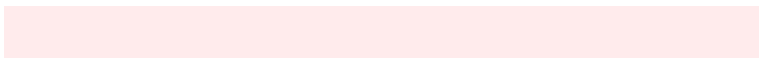
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



80.4046, 89.2234, 85.6571



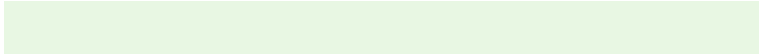
83.4287, 89.2234, 115.2665



90.8011, 89.2234, 92.1209

Complementary

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



80.4046, 89.2234, 85.6571



80.8791, 80.5333, 99.2820

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.



90.9144, 89.2234, 101.1638



80.4046, 89.2234, 85.6571



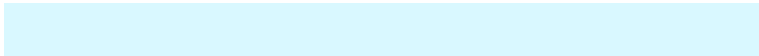
86.6036, 89.2234, 114.9194

Square

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



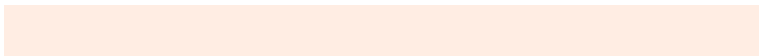
80.4046, 89.2234, 85.6571



80.6903, 89.2234, 110.5461



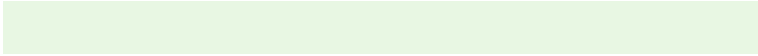
89.3614, 89.2234, 109.6256



89.0555, 89.2234, 84.8807

Rectangle

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



80.4046, 89.2234, 85.6571



78.8663, 89.2234, 99.2897



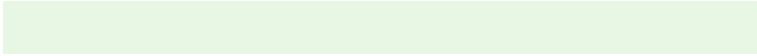
89.3614, 89.2234, 109.6256



91.0328, 89.2234, 95.0395

Sweetspot

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



80.4071, 89.2272, 85.6590



92.8462, 98.9575, 104.5675



83.9787, 88.8285, 85.3938



19.8960, 21.1919, 22.4271



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.



80.4071, 89.2272, 85.6590



84.5228, 95.0163, 88.3804



79.5075, 88.6826, 89.2730



16.6702, 18.6720, 17.5230



18.7410, 35.7741, 5.9173



1.7375, 3.1908, 0.5243

Inverse Universe

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



80.8791, 80.5333, 99.2820



85.1419, 83.6070, 106.2580



81.8571, 81.1255, 95.3526



16.7855, 16.5476, 20.8519



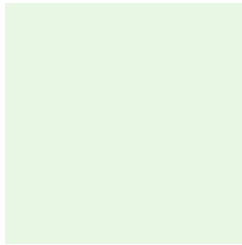
19.6312, 9.0946, 47.2588



1.8187, 0.8474, 4.1580

Previews

White Background



This preview shows how the XYZ color 80.4046, 89.2234, 85.6571 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 80.4046, 89.2234, 85.6571 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

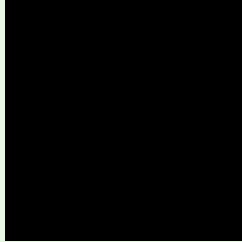
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

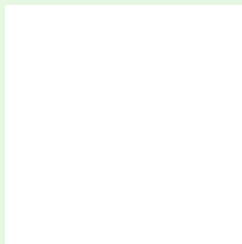
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 80.4046, 89.2234, 85.6571

Background



This preview shows how black text looks on a background with the XYZ color 80.4046, 89.2234, 85.6571.



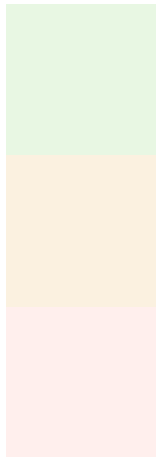
This preview shows how white text looks on a background with the XYZ color 80.4046, 89.2234,

85.6571.

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

80.4046, 89.2234, 85.6571

Protanopia

84.6935, 88.8016, 83.1976

Deuteranopia

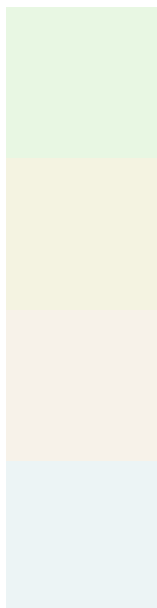
87.3926, 89.1074, 92.7141



Tritanopia

85.3987, 89.0750, 107.2999

Trichromacy



Original Color

80.4046, 89.2234, 85.6571

Protanomaly

82.9494, 88.7705, 83.9967

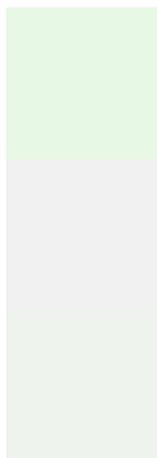
Deuteranomaly

84.8179, 89.1616, 89.8303

Tritanomaly

83.4242, 89.1268, 99.1925

Monochromacy



Original Color

80.4046, 89.2234, 85.6571

Achromatopsia

82.8234, 87.1367, 94.8919

Achromatomaly

81.9710, 88.1039, 91.2827

CSS Examples

Text

The CSS property to change the color of the text to XYZ 80.4046, 89.2234, 85.6571 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(232, 247, 227) looks like.

```
.text, #text, p{  
    color:rgb(232, 247, 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(232, 247, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 247, 227) }
```

Border

The CSS property to change the border of an element to XYZ 80.4046, 89.2234, 85.6571 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(232, 247, 227) }
```


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

```
.border{ border-color:rgb(232, 247, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 247, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 247, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 247, 227);  
box-shadow:4px 4px 4px 4px rgb(232, 247,  
227) }
```

Background

The CSS property to change the background color of an element to XYZ 80.4046, 89.2234, 85.6571 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 247, 227) }
```

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

```
.background{ background-color: rgb(232,  
247, 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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