

Converting Colors

XYZ(77.0326, 85.2715, 84.5917)

Have a look what the booklet for
XYZ(77.0326, 85.2715, 84.5917)
contains.

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Color

**XYZ(76.8436, 85.1640,
84.3397)**

Conversions

Conversions Part 1

Format	Color
Hex	E2F2E2
RGB	226, 242, 226
RGB Percent	89%, 95%, 89%
CMY	0.1137, 0.0510, 0.1137
CMYK	0.07, 0.00, 0.07, 0.05
HSL	120°, 38%, 92%
HSV	120°, 7%, 95%
XYZ	76.8436, 85.1640, 84.3397
YIQ	235.3920, -4.4000, -8.3680

Conversions

Conversions Part 2

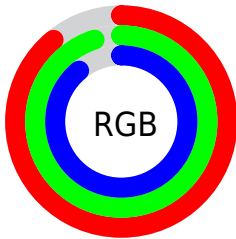
Format	Color
R _Y B	226, 242, 242
Decimal	14873314
CIE Lab	93.95, -8.15, 5.90
CIE LCh	94, 10.057, 144.089
Yxy	85.1640, 0.3119, 0.3457
Android (android.graphics.Color)	4293063394 (0xFFE2F2E2)
YUV	235.3920, -4.6303, -8.2368
Hunter-Lab	92.2843, -12.8637, 10.4132

Details

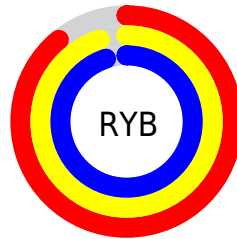
The XYZ color **76.8436, 85.1640, 84.3397** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **79.8444, 79.6828, 95.1806**, and the grayscale version is **79.3029, 83.4328, 90.8584**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.7042, 46.7160, 45.3471** is the 20% darker color. If you saturate the color by 10%, you get **66.6943, 80.2913, 67.7368**, and if you desaturate by 10%, it is **88.5375, 90.7837, 103.4650**.

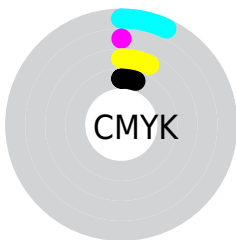
Distribution



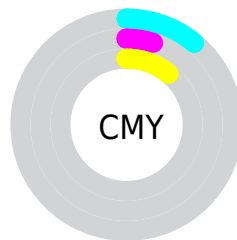
- Red (89%)
- Green (95%)
- Blue (89%)



- Red (89%)
- Yellow (95%)
- Blue (95%)



- Cyan (7%)
- Magenta (0%)
- Yellow (7%)
- Black (5%)



- Cyan (11%)
- Magenta (5%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 76.8436, 85.1640, 84.3397 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 76.8436, 85.1640, 84.3397 by changing the saturation by 10% instead.

76.8436, 85.1640,
84.3397

76.8436, 85.1640,
84.3397

473.1307,
512.1706, 529.5281

57.4240, 63.9769,
62.7489

127.8927,
140.6023, 141.3162

41.5872, 46.6320,
45.1984

160.2529,
175.6223, 177.5391

28.9679, 32.7448,
31.2697

197.6574,
216.0220, 219.4763

19.2007, 21.9310,
20.5441

240.4714,
262.1858, 267.5466

11.9203, 13.8062,
12.6032

289.0604,
314.4982, 322.1683

6.7612, 7.9860,
7.0284

343.7897,

3.3582, 4.0860,

373.3436, 383.7601

3.4011

405.0247,
439.1062, 452.7406

■ 1.3459, 1.7218,
1.3029

■ 0.2172, 0.4377,
0.0642

■ 76.8436, 85.1640,
84.3397

■ 76.8436, 85.1640,
84.3397

■ 66.6943, 80.2913,
67.7368

■ 88.5375, 90.7837,
103.4650

■ 58.0182, 76.1237,
53.5457

■ 91.0438, 91.9876,
107.5646

■ 50.7493, 72.6321,
41.6559

■ 44.8132, 69.7807,
31.9464

■ 40.1292, 67.5307,
24.2848

■ 36.6076, 65.8391,
18.5245

■ 34.1469, 64.6571,
14.4994

■ 32.6281, 63.9275,
12.0149

■ 31.9013, 63.5785,
10.8260

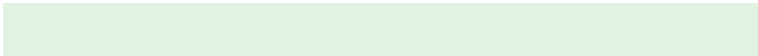
Harmonies

Analogous

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



78.8608, 85.1640, 79.8984



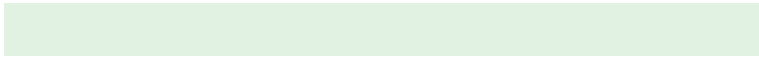
76.8436, 85.1640, 84.3397



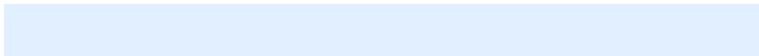
75.9277, 85.1640, 91.2175

Triad

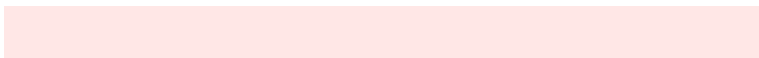
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



76.8436, 85.1640, 84.3397



80.4163, 85.1640, 108.1967



85.7418, 85.1640, 86.8352

Complementary

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



76.8436, 85.1640, 84.3397



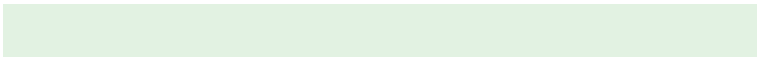
79.8444, 79.6828, 95.1806

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.



86.1804, 85.1640, 94.2574



76.8436, 85.1640, 84.3397



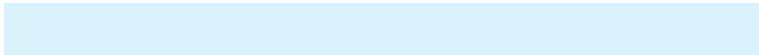
83.0673, 85.1640, 106.8648

Square

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



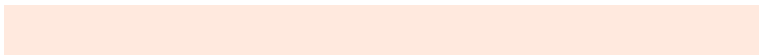
76.8436, 85.1640, 84.3397



77.9609, 85.1640, 105.2028



85.1915, 85.1640, 101.6572



84.0060, 85.1640, 81.2826

Rectangle

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



76.8436, 85.1640, 84.3397



76.0500, 85.1640, 96.3681



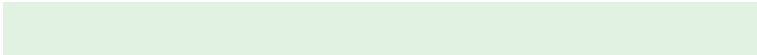
85.1915, 85.1640, 101.6572



86.0474, 85.1640, 89.1829

Sweetspot

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



76.8460, 85.1676, 84.3416



92.3882, 98.7214, 104.5461



82.1013, 87.8769, 84.5872



19.8027, 21.1438, 22.4228



0.0000, 0.0000, 0.0000



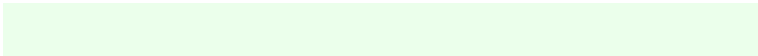
20.3446, 21.4041, 23.3091

Same Dimension

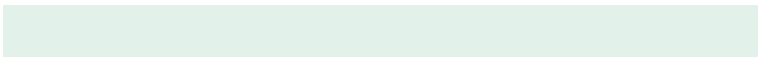
The Same Dimension uses a secret algorithm to generate beautiful new colors.



76.8460, 85.1676, 84.3416



84.8267, 95.0892, 92.1782



77.9700, 85.6173, 90.2609



15.5660, 17.6564, 16.7374



17.0575, 34.1150, 5.6860



1.4190, 2.8381, 0.4730

Inverse Universe

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



79.8444, 79.6828, 95.1806



88.8839, 87.6678, 106.8442



78.6684, 79.2124, 88.9878



16.4543, 16.0314, 19.9487



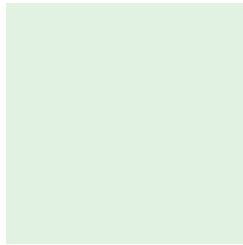
28.2808, 13.5848, 46.2569



2.3527, 1.1301, 3.8482

Previews

White Background



This preview shows how the XYZ color 76.8436, 85.1640, 84.3397 looks on a white background.

Color Contrast Check

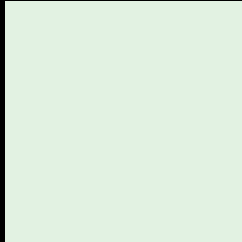
Large Text (above 18pt) WCAG AA × Fail

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 76.8436, 85.1640, 84.3397 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

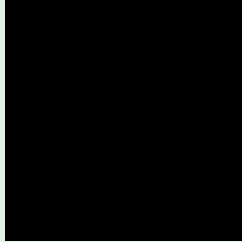
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

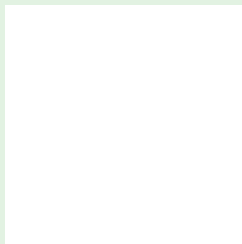
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 76.8436, 85.1640, 84.3397

Background



This preview shows how black text looks on a background with the XYZ color 76.8436, 85.1640, 84.3397.



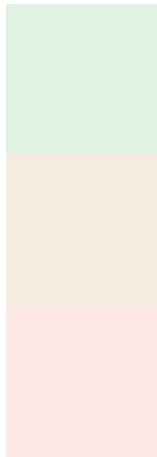
This preview shows how white text looks on a background with the XYZ color 76.8436, 85.1640,

84.3397.

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

76.8436, 85.1640, 84.3397

Protanopia

80.9709, 84.7311, 81.8991

Deuteranopia

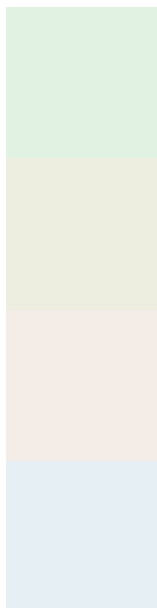
84.6621, 84.7994, 88.2497



Tritanopia

81.2892, 84.7773, 106.6870

Trichromacy



Original Color

76.8436, 85.1640, 84.3397

Protanomaly

79.2890, 84.7080, 82.6923

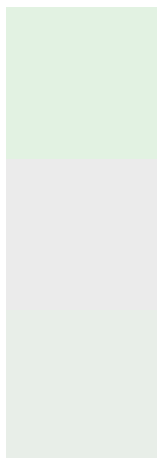
Deuteranomaly

81.5866, 84.9372, 86.9573

Tritanomaly

79.5087, 84.9227, 97.7891

Monochromacy



Original Color

76.8436, 85.1640, 84.3397

Achromatopsia

78.9647, 83.0770, 90.4708

Achromatomaly

78.4187, 84.1311, 88.4497

CSS Examples

Text

The CSS property to change the color of the text to XYZ 76.8436, 85.1640, 84.3397 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, 242, 226) looks like.

```
.text, #text, p{  
    color:rgb(226, 242, 226)  
}
```

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, 242, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 242, 226) }
```

Border

The CSS property to change the border of an element to XYZ 76.8436, 85.1640, 84.3397 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, 242, 226) }
```


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

```
.border{ border-color:rgb(226, 242, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 242, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 242, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 242, 226);  
box-shadow:4px 4px 4px 4px rgb(226, 242,  
226) }
```

Background

The CSS property to change the background color of an element to XYZ 76.8436, 85.1640, 84.3397 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 242, 226) }
```

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

```
.background{ background-color: rgb(226,  
242, 226) }
```

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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