

Converting Colors

XYZ(76.1906, 87.5128, 85.3489)

Have a look what the booklet for
XYZ(76.1906, 87.5128, 85.3489)
contains.

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Color

**XYZ(76.3460, 87.5863,
85.5550)**

Conversions

Conversions Part 1

Format	Color
Hex	DAF8E3
RGB	218, 248, 227
RGB Percent	85%, 97%, 89%
CMY	0.1451, 0.0274, 0.1098
CMYK	0.12, 0.00, 0.08, 0.03
HSL	138°, 68%, 91%
HSV	138°, 12%, 97%
XYZ	76.3460, 87.5863, 85.5550
YIQ	236.6360, -11.1390, -12.8910

Conversions

Conversions Part 2

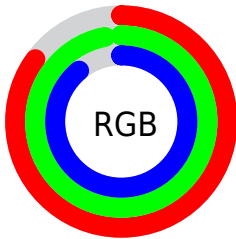
Format	Color
R _{YB}	218, 241, 248
Decimal	14350563
CIE Lab	94.99, -13.60, 6.80
CIE LCh	95, 15.210, 153.438
Yxy	87.5863, 0.3060, 0.3511
Android (android.graphics.Color)	4292540643 (0xFFDAF8E3)
YUV	236.6360, -4.7505, -16.3438
Hunter-Lab	93.5876, -18.1631, 11.3101

Details

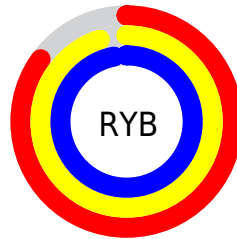
The XYZ color **76.3460, 87.5863, 85.5550** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **79.3660, 76.3335, 92.2163**, and the grayscale version is **80.2600, 84.4397, 91.9549**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.4003, 48.4644, 46.2023** is the 20% darker color. If you saturate the color by 10%, you get **67.2008, 83.1373, 73.2435**, and if you desaturate by 10%, it is **86.8474, 92.7114, 99.1950**.

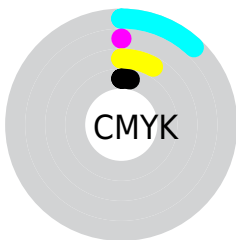
Distribution



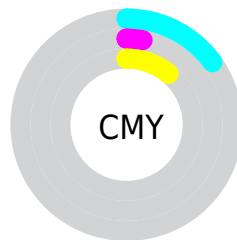
- Red (85%)
- Green (97%)
- Blue (89%)



- Red (85%)
- Yellow (95%)
- Blue (97%)



- Cyan (12%)
- Magenta (0%)
- Yellow (8%)
- Black (3%)





- Cyan (15%)
- Magenta (3%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 76.3460, 87.5863, 85.5550 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 76.3460, 87.5863, 85.5550 by changing the saturation by 10% instead.


 76.3460, 87.5863,
85.5550

 76.3460, 87.5863,
85.5550


471.4575,
520.1475, 533.6552

 57.0143, 65.9805,
63.7473

127.1936,
143.9811, 143.0294

 41.2569, 48.2566,
46.0011


159.4403,
179.5388, 179.5331

 28.7084, 34.0301,
31.8980


196.7227,
220.5160, 221.7726

 19.0035, 22.9167,
21.0195

239.4061,
267.2971, 270.1664

 11.7769, 14.5320,
12.9468

287.8559,
320.2663, 325.1330

 6.6630, 8.4916,
7.2617

342.4375,

 3.2967, 4.4111,

379.8082, 387.0909

3.5454

403.5163,
446.3072, 456.4588

■ 1.3125, 1.9061,
1.3794

■ 0.1926, 0.5520,
0.1256

■ 76.3460, 87.5863,
85.5550

■ 76.3460, 87.5863,
85.5550

■ 67.2008, 83.1373,
73.2435

■ 86.8474, 92.7114,
99.1950

■ 59.3484, 79.3252,
62.2149

■ 92.8591, 95.6182,
108.1697

■ 52.7308, 76.1234,
52.4293

■ 47.2828, 73.4993,
43.8428

■ 42.9331, 71.4170,
36.4087

■ 39.6022, 69.8366,
30.0771

■ 37.1992, 68.7122,
24.7946

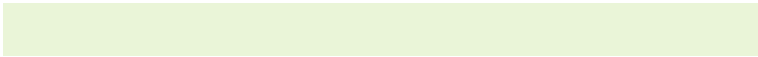
■ 35.6155, 67.9891,
20.5029

■ 34.8184, 67.6379,
17.7685

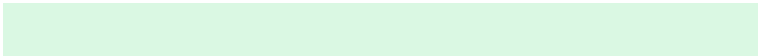
Harmonies

Analogous

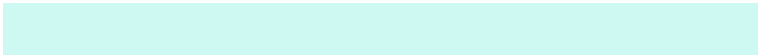
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



78.9490, 87.5863, 77.6210



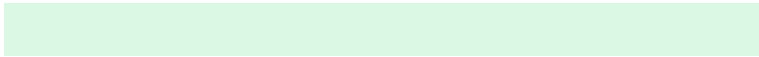
76.3460, 87.5863, 85.5550



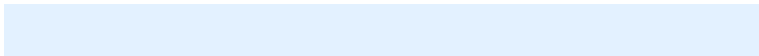
75.5710, 87.5863, 96.7368

Triad

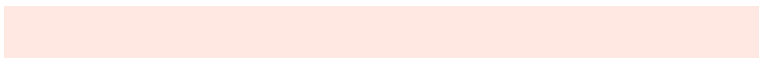
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



76.3460, 87.5863, 85.5550



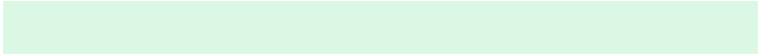
83.7252, 87.5863, 119.9147



90.0515, 87.5863, 83.3767

Complementary

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



76.3460, 87.5863, 85.5550



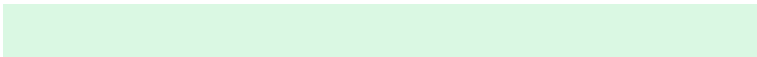
79.3660, 76.3335, 92.2163

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.



91.4284, 87.5863, 94.0094



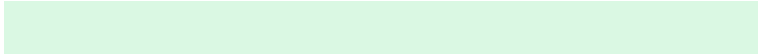
76.3460, 87.5863, 85.5550



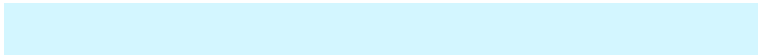
87.7006, 87.5863, 115.6296

Square

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



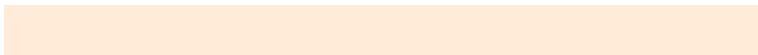
76.3460, 87.5863, 85.5550



79.7478, 87.5863, 117.1871



90.5542, 87.5863, 105.9010



86.8495, 87.5863, 76.4382

Rectangle

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



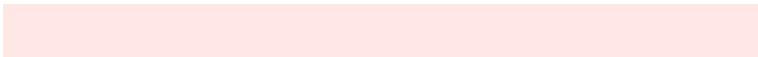
76.3460, 87.5863, 85.5550



76.1734, 87.5863, 104.7007



90.5542, 87.5863, 105.9010



90.7479, 87.5863, 86.6044

Sweetspot

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



76.3484, 87.5900, 85.5569



90.2679, 97.6651, 102.7864



81.9914, 90.6389, 79.5045



19.1343, 20.8132, 21.7600



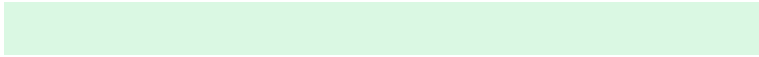
0.0000, 0.0000, 0.0000



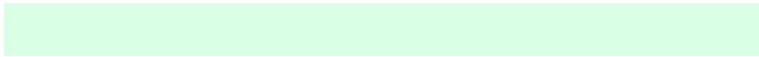
20.3446, 21.4041, 23.3091

Same Dimension

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



76.3484, 87.5900, 85.5569



78.3357, 91.8473, 87.1612



78.4357, 88.4249, 96.5486



17.2316, 19.3949, 19.4204



18.8618, 36.5577, 9.8814



1.7916, 3.4037, 1.1503

Inverse Universe

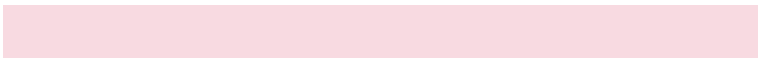
The Inverse Universe completely reimagines the original color for something new.



79.3660, 76.3335, 92.2163



82.2457, 77.2598, 95.7892



77.3080, 75.5103, 81.3793



17.7582, 17.4307, 20.5826



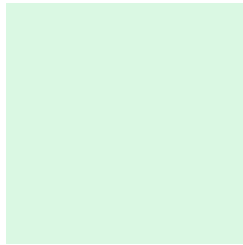
25.0834, 12.4491, 22.9454



2.3700, 1.1717, 2.3716

Previews

White Background



This preview shows how the XYZ color 76.3460, 87.5863, 85.5550 looks on a white background.

Color Contrast Check

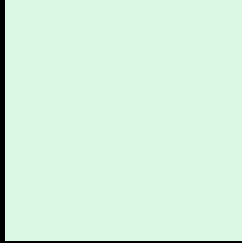
Large Text (above 18pt) WCAG AA × Fail

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 76.3460, 87.5863, 85.5550 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

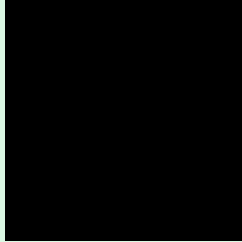
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

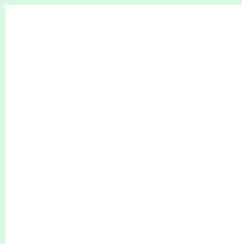
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 76.3460, 87.5863, 85.5550

Background



This preview shows how black text looks on a background with the XYZ color 76.3460, 87.5863, 85.5550.



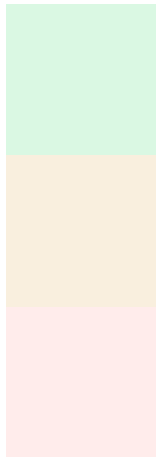
This preview shows how white text looks on a background with the XYZ color 76.3460, 87.5863,

85.5550.

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

76.3460, 87.5863, 85.5550

Protanopia

83.1182, 87.1467, 81.5474

Deuteranopia

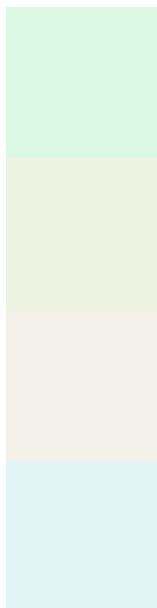
86.2308, 87.2491, 90.8932



Tritanopia

82.4353, 87.5473, 107.1612

Trichromacy



Original Color

76.3460, 87.5863, 85.5550

Protanomaly

80.4666, 87.0632, 83.0848

Deuteranomaly

82.3435, 87.0236, 88.8012

Tritanomaly

80.1961, 87.4627, 99.0414

Monochromacy



Original Color

76.3460, 87.5863, 85.5550

Achromatopsia

80.4953, 84.6873, 92.2245

Achromatomaly

78.7964, 85.6168, 89.4635

CSS Examples

Text

The CSS property to change the color of the text to XYZ 76.3460, 87.5863, 85.5550 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(218, 248, 227)` looks like.

```
.text, #text, p{  
    color:rgb(218, 248, 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(218, 248, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 248, 227) }
```

Border

The CSS property to change the border of an element to XYZ 76.3460, 87.5863, 85.5550 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(218, 248, 227) }
```


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

```
.border{ border-color:rgb(218, 248, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 248, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 248, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 248, 227);  
box-shadow:4px 4px 4px 4px rgb(218, 248,  
227) }
```

Background

The CSS property to change the background color of an element to XYZ 76.3460, 87.5863, 85.5550 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 248, 227) }
```

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

```
.background{ background-color: rgb(218,  
248, 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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