

Converting Colors

XYZ(77.5727, 86.3917, 84.7460)

Have a look what the booklet for
XYZ(77.5727, 86.3917, 84.7460)
contains.

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Color

**XYZ(77.4422, 86.3611,
84.5392)**

Conversions

Conversions Part 1

Format	Color
Hex	E2F4E2
RGB	226, 244, 226
RGB Percent	89%, 96%, 89%
CMY	0.1137, 0.0431, 0.1137
CMYK	0.07, 0.00, 0.07, 0.04
HSL	120°, 45%, 92%
HSV	120°, 7%, 96%
XYZ	77.4422, 86.3611, 84.5392
YIQ	236.5660, -4.9500, -9.4140

Conversions

Conversions Part 2

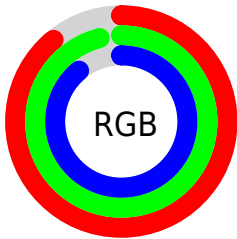
Format	Color
R _Y B	226, 244, 244
Decimal	14873826
CIE Lab	94.47, -9.15, 6.64
CIE LCh	94, 11.304, 144.038
Yxy	86.3611, 0.3118, 0.3477
Android (android.graphics.Color)	4293063906 (0xFFE2F4E2)
YUV	236.5660, -5.2090, -9.2664
Hunter-Lab	92.9307, -13.8787, 11.1153

Details

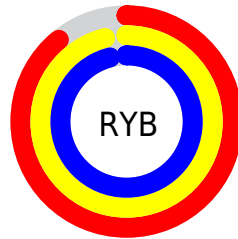
The XYZ color **77.4422, 86.3611, 84.5392** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **80.8369, 80.1596, 96.8040**, and the grayscale version is **80.2062, 84.3832, 91.8933**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.1285, 47.5646, 45.4886** is the 20% darker color. If you saturate the color by 10%, you get **67.2152, 81.4511, 67.8090**, and if you desaturate by 10%, it is **89.2394, 92.0305, 103.8336**.

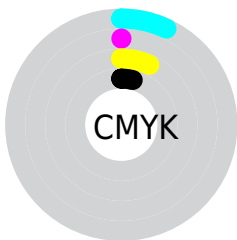
Distribution



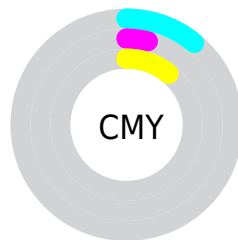
- Red (89%)
- Green (96%)
- Blue (89%)



- Red (89%)
- Yellow (96%)
- Blue (96%)



- Cyan (7%)
- Magenta (0%)
- Yellow (7%)
- Black (4%)



- Cyan (11%)
- Magenta (4%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 77.4422, 86.3611, 84.5392 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 77.4422, 86.3611, 84.5392 by changing the saturation by 10% instead.

77.4422, 86.3611,
84.5392

77.4422, 86.3611,
84.5392

475.1392,
516.1211, 530.2068

57.9171, 64.9666,
62.9127

128.7330,
142.2733, 141.5976

41.9850, 47.4340,
45.3301

161.2294,
177.5598, 177.8667

29.2806, 33.3789,
31.3727

198.7803,
218.2457, 219.8537

19.4385, 22.4169,
20.6219

241.7510,
264.7155, 267.9772

12.0935, 14.1635,
12.6594

290.5069,
317.3536, 322.6557

6.8800, 8.2345,
7.0665

345.4134,

3.4328, 4.2454,

376.5443, 384.3078

3.4246

406.8357,
442.6720, 453.3520

■ 1.3866, 1.8117,
1.3153

■ 0.2466, 0.4945,
0.0743

■ 77.4422, 86.3611,
84.5392

■ 77.4422, 86.3611,
84.5392

■ 67.2152, 81.4511,
67.8090

■ 89.2394, 92.0305,
103.8336

■ 58.4854, 77.2577,
53.5299

■ 91.6424, 93.1847,
107.7641

■ 51.1848, 73.7509,
41.5884

■ 45.2373, 70.8940,
31.8602

■ 40.5598, 68.6472,
24.2093

■ 37.0600, 66.9660,
18.4846

■ 34.6331, 65.8003,
14.5149

■ 33.1560, 65.0907,
12.0988

■ 32.4675, 64.7600,
10.9725

Harmonies

Analogous

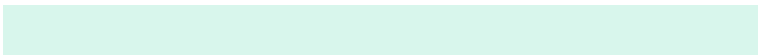
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



79.7253, 86.3611, 79.5558



77.4422, 86.3611, 84.5392



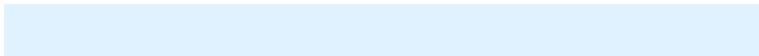
76.4055, 86.3611, 92.3042

Triad

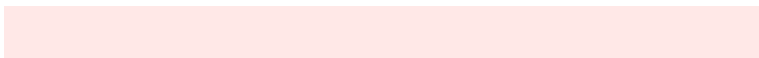
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



77.4422, 86.3611, 84.5392



81.4779, 86.3611, 111.6868



87.5392, 86.3611, 87.3762

Complementary

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



77.4422, 86.3611, 84.5392



80.8369, 80.1596, 96.8040

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.



88.0364, 86.3611, 95.7824



77.4422, 86.3611, 84.5392



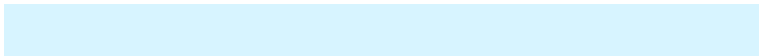
84.4880, 86.3611, 110.1669

Square

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



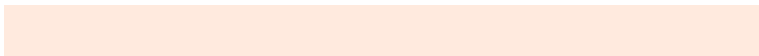
77.4422, 86.3611, 84.5392



78.6982, 86.3611, 108.2454



86.9069, 86.3611, 104.2113



85.5648, 86.3611, 81.1217

Rectangle

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



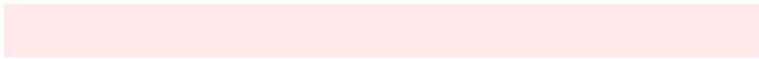
77.4422, 86.3611, 84.5392



76.5418, 86.3611, 98.1524



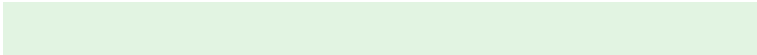
86.9069, 86.3611, 104.2113



87.8867, 86.3611, 90.0297

Sweetspot

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



77.4446, 86.3648, 84.5411



92.3882, 98.7214, 104.5461



83.3902, 89.4299, 84.8192



19.8027, 21.1438, 22.4228



0.0000, 0.0000, 0.0000



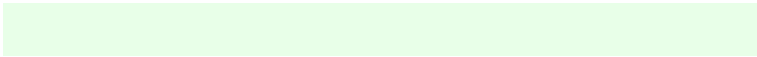
20.3446, 21.4041, 23.3091

Same Dimension

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



77.4446, 86.3648, 84.5411



83.6276, 94.5132, 90.2166



78.7128, 86.8721, 91.2193



16.2823, 18.4721, 17.5049



17.5905, 35.1811, 5.8636



1.5460, 3.0921, 0.5154

Inverse Universe

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



80.8369, 80.1596, 96.8040



88.1607, 86.2214, 106.6034



79.5029, 79.6260, 89.7791



17.2137, 16.7683, 20.8719



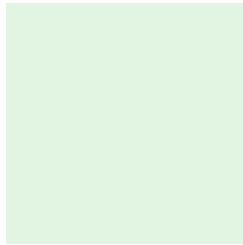
29.1649, 14.0094, 47.7039



2.5633, 1.2313, 4.1927

Previews

White Background



This preview shows how the XYZ color 77.4422, 86.3611, 84.5392 looks on a white background.

Color Contrast Check

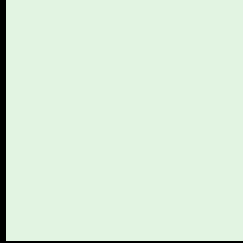
Large Text (above 18pt) WCAG AA × Fail

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 77.4422, 86.3611, 84.5392 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

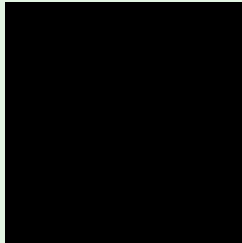
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

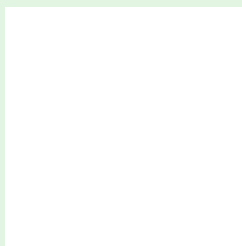
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 77.4422, 86.3611, 84.5392

Background



This preview shows how black text looks on a background with the XYZ color 77.4422, 86.3611, 84.5392.



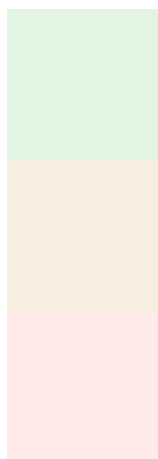
This preview shows how white text looks on a background with the XYZ color 77.4422, 86.3611,

84.5392.

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

77.4422, 86.3611, 84.5392

Protanopia

82.2516, 86.2509, 82.1250

Deuteranopia

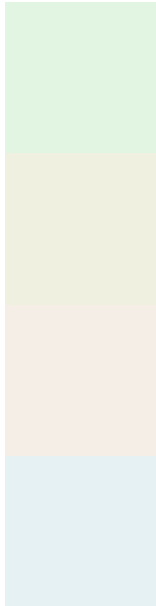
85.3708, 85.9888, 89.1888



Tritanopia

82.1952, 86.1088, 106.8963

Trichromacy



Original Color

77.4422, 86.3611, 84.5392

Protanomaly

80.2112, 86.0527, 82.9033

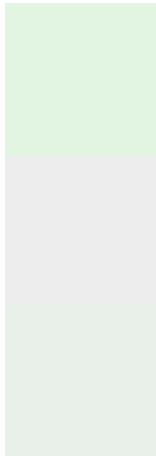
Deuteranomaly

82.1657, 86.0953, 87.1504

Tritanomaly

80.4176, 86.2652, 98.0003

Monochromacy



Original Color

77.4422, 86.3611, 84.5392

Achromatopsia

80.4953, 84.6873, 92.2245

Achromatomaly

79.4723, 85.5270, 89.4105

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.4422, 86.3611, 84.5392 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, 244, 226) looks like.

```
.text, #text, p{  
    color:rgb(226, 244, 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, 244, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 244, 226) }
```

Border

The CSS property to change the border of an element to XYZ 77.4422, 86.3611, 84.5392 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, 244, 226) }
```


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

```
.border{ border-color:rgb(226, 244, 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, 244, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 244, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 244, 226);  
box-shadow:4px 4px 4px 4px rgb(226, 244,  
226) }
```

Background

The CSS property to change the background color of an element to XYZ 77.4422, 86.3611, 84.5392 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 244, 226) }
```

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

```
.background{ background-color: rgb(226,  
244, 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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