

Converting Colors

XYZ(76.7175, 84.1029, 85.3882)

Have a look what the booklet for
XYZ(76.7175, 84.1029, 85.3882)
contains.

XYZ(76.8422, 84.2525, 85.6111)	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(76.8422, 84.2525,
85.6111)**

Conversions

Conversions Part 1

Format	Color
Hex	E3F0E4
RGB	227, 240, 228
RGB Percent	89%, 94%, 89%
CMY	0.1098, 0.0588, 0.1059
CMYK	0.05, 0.00, 0.05, 0.06
HSL	125°, 30%, 92%
HSV	125°, 5%, 94%
XYZ	76.8422, 84.2525, 85.6111
YIQ	234.7450, -3.8960, -6.4880

Conversions

Conversions Part 2

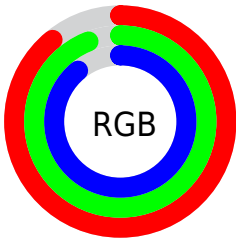
Format	Color
R _Y B	227, 239, 240
Decimal	14938340
CIE Lab	93.56, -6.45, 4.30
CIE LCh	94, 7.754, 146.305
Yxy	84.2525, 0.3115, 0.3415
Android (android.graphics.Color)	4293128420 (0xFFE3F0E4)
YUV	234.7450, -3.3253, -6.7924
Hunter-Lab	91.7892, -11.1980, 8.9530

Details

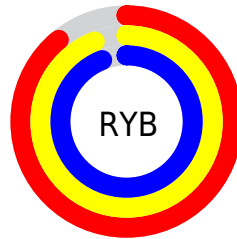
The XYZ color **76.8422, 84.2525, 85.6111** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **78.9873, 79.6975, 92.8855**, and the grayscale version is **78.8003, 82.9041, 90.2825**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.6966, 46.0688, 46.2297** is the 20% darker color. If you saturate the color by 10%, you get **66.9126, 79.4689, 70.1077**, and if you desaturate by 10%, it is **88.2259, 89.7450, 103.2434**.

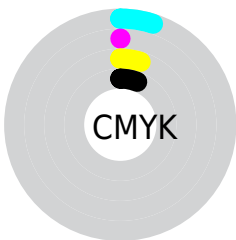
Distribution



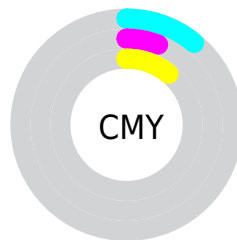
- Red (89%)
- Green (94%)
- Blue (89%)



- Red (89%)
- Yellow (94%)
- Blue (94%)



- Cyan (5%)
- Magenta (0%)
- Yellow (5%)
- Black (6%)



- Cyan (11%)
- Magenta (6%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 76.8422, 84.2525, 85.6111 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 76.8422, 84.2525, 85.6111 by changing the saturation by 10% instead.

76.8422, 84.2525,
85.6111

76.8422, 84.2525,
85.6111

473.1260,
509.1513, 533.8452

57.4228, 63.2239,
63.7934

127.8907,
139.3283, 143.1084

41.5863, 46.0224,
46.0382

160.2506,
174.1444, 179.6251

28.9672, 32.2635,
31.9271

197.6547,
214.3250, 221.8784

19.2001, 21.5628,
21.0415

240.4684,
260.2547, 270.2871

11.9199, 13.5360,
12.9628

289.0570,
312.3178, 325.2696

6.7609, 7.7987,
7.2725

343.7859,

3.3580, 3.9664,

370.8986, 387.2444

3.5521

405.0205,
436.3817, 456.6301

■ 1.3458, 1.6548,
1.3830

■ 0.2171, 0.3941,
0.1284

■ 76.8422, 84.2525,
85.6111

■ 76.8422, 84.2525,
85.6111

■ 66.9126, 79.4689,
70.1077

■ 88.2259, 89.7450,
103.2434

■ 58.3718, 75.3550,
56.6472

■ 90.4517, 90.8035,
107.3672

■ 51.1599, 71.8842,
45.1464

■ 45.2100, 69.0240,
35.5136

■ 40.4494, 66.7389,
27.6505

■ 36.7978, 64.9900,
21.4493

■ 34.1652, 63.7332,
16.7906

■ 32.4472, 62.9177,
13.5392

■ 31.5167, 62.4814,
11.5364

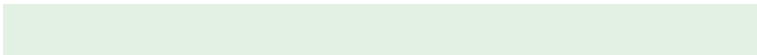
Harmonies

Analogous

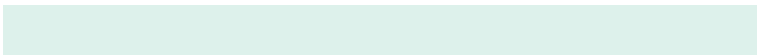
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



78.3441, 84.2525, 81.9776



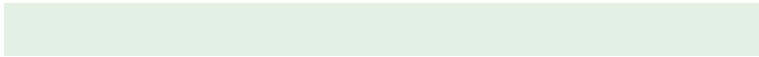
76.8422, 84.2525, 85.6111



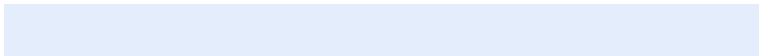
76.2072, 84.2525, 91.0106

Triad

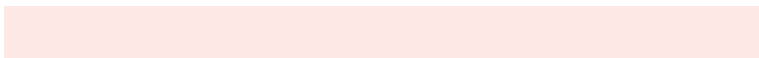
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



76.8422, 84.2525, 85.6111



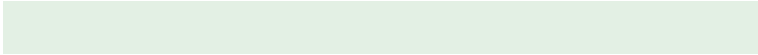
79.8256, 84.2525, 103.4782



83.6679, 84.2525, 86.8209

Complementary

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



76.8422, 84.2525, 85.6111



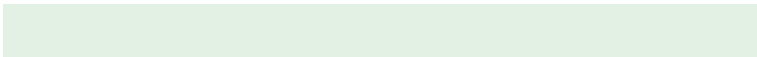
78.9873, 79.6975, 92.8855

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.



84.0807, 84.2525, 92.4666



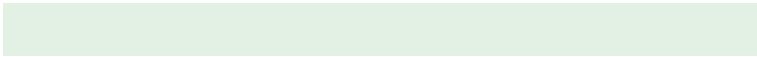
76.8422, 84.2525, 85.6111



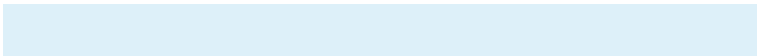
81.8403, 84.2525, 102.2410

Square

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



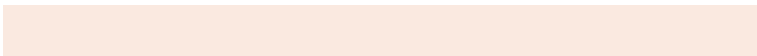
76.8422, 84.2525, 85.6111



77.9110, 84.2525, 101.4604



83.4064, 84.2525, 98.1476



82.2878, 84.2525, 82.6549

Rectangle

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



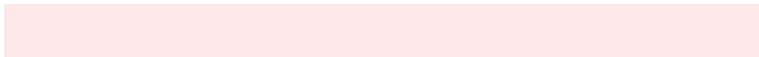
76.8422, 84.2525, 85.6111



76.3529, 84.2525, 94.9450



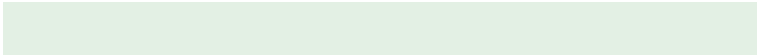
83.4064, 84.2525, 98.1476



83.9254, 84.2525, 88.6014

Sweetspot

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



76.8446, 84.2561, 85.6129



92.4497, 98.7460, 104.8702



80.6705, 86.2444, 85.0691



19.8153, 21.1488, 22.4888



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

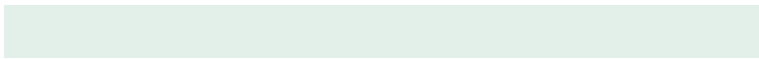
The Same Dimension uses a secret algorithm to generate beautiful new colors.



76.8446, 84.2561, 85.6129



86.2448, 95.7542, 95.2292



77.7453, 84.6164, 90.3562



16.0307, 17.8764, 17.6444



17.1376, 34.1471, 6.1076



1.4427, 2.8475, 0.5975

Inverse Universe

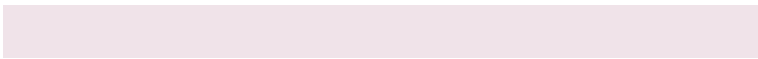
The Inverse Universe completely reimagines the original color for something new.



78.9873, 79.6975, 92.8855



89.3973, 89.0472, 105.9291



78.0626, 79.3276, 88.0163



16.6657, 16.5255, 19.7996



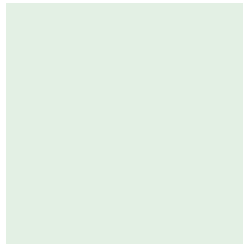
26.8778, 13.0236, 38.8687



2.2515, 1.0896, 3.3151

Previews

White Background



This preview shows how the XYZ color 76.8422, 84.2525, 85.6111 looks on a white background.

Color Contrast Check

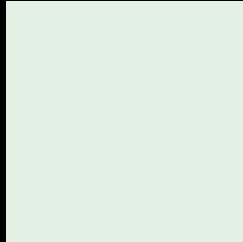
Large Text (above 18pt) WCAG AA × Fail

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 76.8422, 84.2525, 85.6111 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

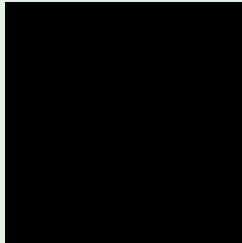
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

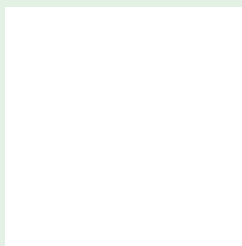
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 76.8422, 84.2525, 85.6111

Background



This preview shows how black text looks on a background with the XYZ color 76.8422, 84.2525, 85.6111.



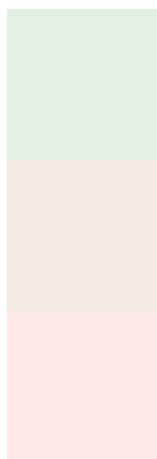
This preview shows how white text looks on a background with the XYZ color 76.8422, 84.2525,

85.6111.

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

76.8422, 84.2525, 85.6111

Protanopia

80.2611, 83.9076, 83.1997

Deuteranopia

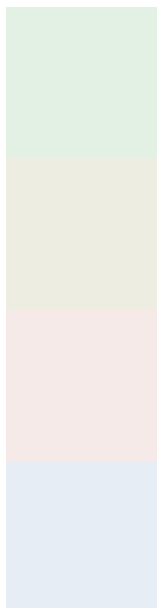
84.3814, 84.2380, 88.1561



Tritanopia

81.0004, 84.1998, 106.5908

Trichromacy



Original Color

76.8422, 84.2525, 85.6111

Protanomaly

78.9367, 84.0639, 84.0170

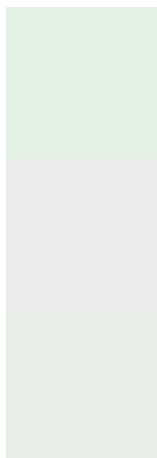
Deuteranomaly

81.5028, 84.0276, 87.5246

Tritanomaly

79.3987, 83.9839, 98.4120

Monochromacy



Original Color

76.8422, 84.2525, 85.6111

Achromatopsia

78.9647, 83.0770, 90.4708

Achromatomaly

78.1284, 83.5504, 88.3530

CSS Examples

Text

The CSS property to change the color of the text to XYZ 76.8422, 84.2525, 85.6111 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(227, 240, 228) looks like.

```
.text, #text, p{  
    color:rgb(227, 240, 228)  
}
```

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(227, 240, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 240, 228) }
```

Border

The CSS property to change the border of an element to XYZ 76.8422, 84.2525, 85.6111 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(227, 240, 228) }
```


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

```
.border{ border-color:rgb(227, 240, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 240, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(227, 240, 228); -webkit-box-shadow:4px 4px 4px 4px rgb(227, 240, 228); box-shadow:4px 4px 4px 4px rgb(227, 240, 228) }
```

Background

The CSS property to change the background color of an element to XYZ 76.8422, 84.2525, 85.6111 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 240, 228) }
```

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

```
.background{ background-color: rgb(227,  
240, 228) }
```

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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