

Converting Colors

XYZ(79.9038, 84.2710, 85.2461)

Have a look what the booklet for
XYZ(79.9038, 84.2710, 85.2461)
contains.

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Color

**XYZ(79.9342, 84.1176,
85.4221)**

Conversions

Conversions Part 1

Format	Color
Hex	F0ECE4
RGB	240, 236, 228
RGB Percent	94%, 93%, 89%
CMY	0.0588, 0.0745, 0.1059
CMYK	0.00, 0.02, 0.05, 0.06
HSL	40°, 29%, 92%
HSV	40°, 5%, 94%
XYZ	79.9342, 84.1176, 85.4221
YIQ	236.2840, 4.9520, -1.6400

Conversions

Conversions Part 2

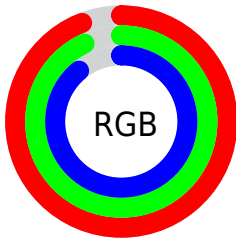
Format	Color
R _Y B	234, 240, 228
Decimal	15789284
CIE Lab	93.50, -0.03, 4.34
CIE LCh	94, 4.337, 90.443
Yxy	84.1176, 0.3204, 0.3372
Android (android.graphics.Color)	4293979364 (0xFF0E4E)
YUV	236.2840, -4.0840, 3.2589
Hunter-Lab	91.7156, -4.9318, 8.9794

Details

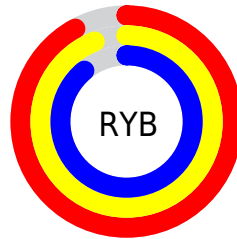
The XYZ color **79.9342, 84.1176, 85.4221** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **76.5796, 80.4972, 93.9404**, and the grayscale version is **79.9760, 84.1410, 91.6295**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **43.6312, 45.8500, 46.0855** is the 20% darker color. If you saturate the color by 10%, you get **74.5823, 78.3800, 68.3257**, and if you desaturate by 10%, it is **85.8564, 90.2534, 104.9925**.

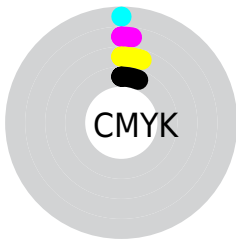
Distribution



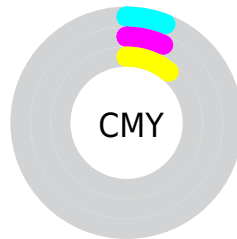
- Red (94%)
- Green (93%)
- Blue (89%)



- Red (92%)
- Yellow (94%)
- Blue (89%)



- Cyan (0%)
- Magenta (2%)
- Yellow (5%)
- Black (6%)



- Cyan (6%)
- Magenta (7%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 79.9342, 84.1176, 85.4221 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 79.9342, 84.1176, 85.4221 by changing the saturation by 10% instead.

79.9342, 84.1176,
85.4221

79.9342, 84.1176,
85.4221

483.4510,
508.7037, 533.2047

59.9725, 63.1125,
63.6381

132.2242,
139.1397, 142.8422

43.6458, 45.9323,
45.9133

165.2833,
173.9255, 179.3153

30.5889, 32.1924,
31.8292

203.4388,
214.0736, 221.5218

20.4363, 21.5085,
20.9673

247.0561,
259.9685, 269.8803

12.8227, 13.4962,
12.9091

296.5006,
311.9946, 324.8093

7.3827, 7.7711,
7.2360

352.1377,

3.7510, 3.9488,

370.5362, 386.7273

3.5295

414.3327,
435.9778, 456.0529

■ 1.5623, 1.6450,
1.3709

■ 0.3676, 0.3876,
0.1189

■ 79.9342, 84.1176,
85.4221

■ 79.9342, 84.1176,
85.4221

■ 74.5823, 78.3800,
68.3257

■ 85.8564, 90.2534,
104.9925

■ 69.7733, 73.0195,
53.5975

■ 88.7923, 95.3589,
108.3340

■ 65.4880, 68.0289,
41.1324

■ 89.7456, 97.2655,
108.6518

■ 61.7031, 63.3966,
30.8149

■ 58.3936, 59.1105,
22.5194

■ 55.5316, 55.1570,
16.1072

■ 53.0861, 51.5214,
11.4218

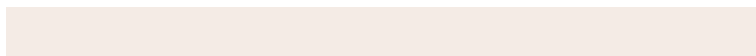
■ 51.0210, 48.1868,
8.2810

■ 49.2926, 45.1333,
6.4614

Harmonies

Analogous

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



81.0433, 84.1176, 86.2084



79.9342, 84.1176, 85.4221



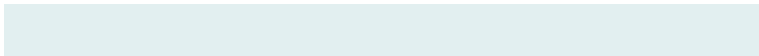
78.8398, 84.1176, 86.2553

Triad

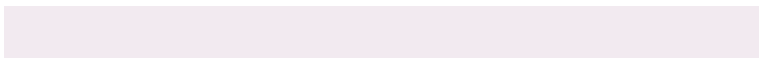
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



79.9342, 84.1176, 85.4221



78.0662, 84.1176, 94.8252



81.8837, 84.1176, 94.7386

Complementary

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



79.9342, 84.1176, 85.4221



76.5796, 80.4972, 93.9404

Split Complementary

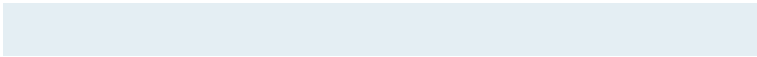
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



81.0731, 84.1176, 97.1398



79.9342, 84.1176, 85.4221



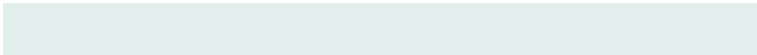
78.8690, 84.1176, 97.1906

Square

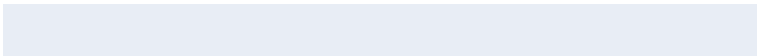
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



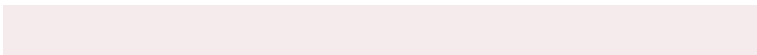
79.9342, 84.1176, 85.4221



77.7676, 84.1176, 91.6386



79.9683, 84.1176, 98.0474



82.1754, 84.1176, 91.5409

Rectangle

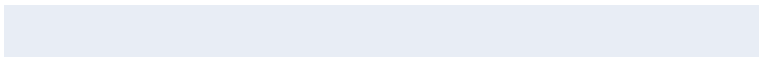
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



79.9342, 84.1176, 85.4221



78.2641, 84.1176, 87.6287



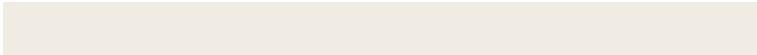
79.9683, 84.1176, 98.0474



81.6625, 84.1176, 95.6684

Sweetspot

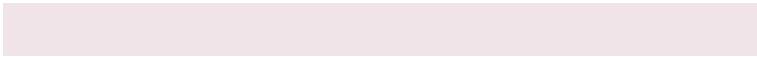
The Sweet Spot groups the original color and five complimentary colors.



79.9365, 84.1213, 85.4239



94.3718, 99.2963, 106.6620



78.2452, 79.8395, 87.6317



20.2066, 21.2609, 22.8536



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.



79.9365, 84.1213, 85.4239



91.0799, 95.8460, 95.9043



80.4246, 86.0998, 85.7801



16.9875, 17.8760, 17.7273



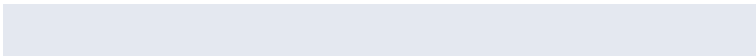
26.6885, 24.1752, 3.2596



2.3112, 2.1931, 0.3015

Inverse Universe

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



76.5796, 80.4972, 93.9404



86.4736, 90.8733, 107.5904



76.1059, 78.6023, 93.5996



16.0407, 16.8539, 20.1293



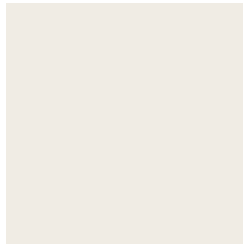
10.2857, 6.7956, 45.8974



0.9437, 0.7415, 3.8476

Previews

White Background



This preview shows how the XYZ color 79.9342, 84.1176, 85.4221 looks on a white background.

Color Contrast Check

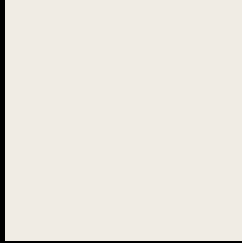
Large Text (above 18pt) WCAG AA × Fail

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 79.9342, 84.1176, 85.4221 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

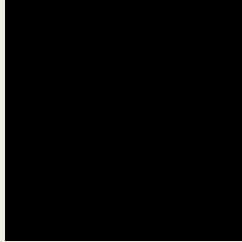
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

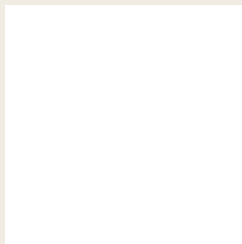
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 79.9342, 84.1176, 85.4221

Background



This preview shows how black text looks on a background with the XYZ color 79.9342, 84.1176, 85.4221.



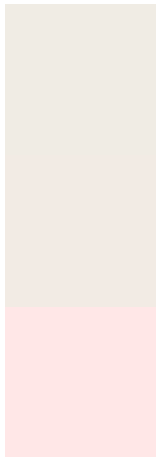
This preview shows how white text looks on a background with the XYZ color 79.9342, 84.1176,

85.4221.

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

79.9342, 84.1176, 85.4221

Protanopia

80.3299, 83.8953, 85.3584

Deuteranopia

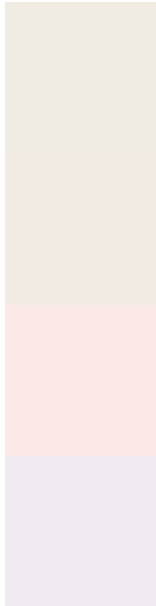
84.2397, 84.1813, 87.4100



Tritanopia

83.5136, 84.2975, 103.1362

Trichromacy



Original Color

79.9342, 84.1176, 85.4221

Protanomaly

79.9875, 83.7189, 85.3424

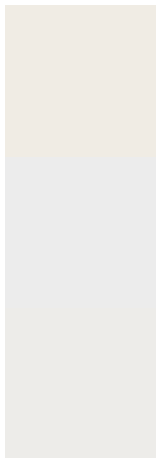
Deuteranomaly

82.8462, 84.3150, 86.7709

Tritanomaly

82.2184, 84.1939, 96.7117

Monochromacy



Original Color

79.9342, 84.1176, 85.4221

Achromatopsia

79.7278, 83.8799, 91.3452

Achromatomaly

79.6285, 83.8786, 89.0841

CSS Examples

Text

The CSS property to change the color of the text to XYZ 79.9342, 84.1176, 85.4221 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(240, 236, 228) looks like.

```
.text, #text, p{  
    color:rgb(240, 236, 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(240, 236, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 236, 228) }
```

Border

The CSS property to change the border of an element to XYZ 79.9342, 84.1176, 85.4221 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(240, 236, 228) }
```


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

```
.border{ border-color:rgb(240, 236, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 236, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 236, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 236, 228);  
box-shadow:4px 4px 4px 4px rgb(240, 236,  
228) }
```

Background

The CSS property to change the background color of an element to XYZ 79.9342, 84.1176, 85.4221 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 236, 228) }
```

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

```
.background{ background-color: rgb(240,  
236, 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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