

Converting Colors

XYZ(80.3340, 84.2678, 84.5814)

Have a look what the booklet for
XYZ(80.3340, 84.2678, 84.5814)
contains.

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Color

**XYZ(80.4785, 84.4142,
84.7249)**

Conversions

Conversions Part 1

Format	Color
Hex	F2ECE3
RGB	242, 236, 227
RGB Percent	95%, 93%, 89%
CMY	0.0510, 0.0745, 0.1098
CMYK	0.00, 0.02, 0.06, 0.05
HSL	36°, 37%, 92%
HSV	36°, 6%, 95%
XYZ	80.4785, 84.4142, 84.7249
YIQ	236.7680, 6.4650, -1.5270

Conversions

Conversions Part 2

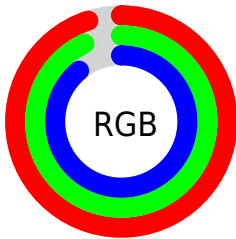
Format	Color
R _Y B	237, 242, 227
Decimal	15920355
CIE Lab	93.63, 0.48, 5.06
CIE LCh	94, 5.084, 84.570
Yxy	84.4142, 0.3224, 0.3382
Android (android.graphics.Color)	4294110435 (0xFF F2 ECE3)
YUV	236.7680, -4.8156, 4.5885
Hunter-Lab	91.8772, -4.4306, 9.6395

Details

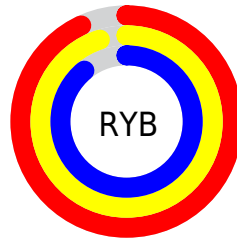
The XYZ color **80.4785, 84.4142, 84.7249** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **76.8443, 81.0181, 95.5933**, and the grayscale version is **80.3522, 84.5368, 92.0606**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.0174, 46.0602, 45.6003** is the 20% darker color. If you saturate the color by 10%, you get **74.6612, 77.7538, 67.4489**, and if you desaturate by 10%, it is **86.9209, 91.5714, 104.5275**.

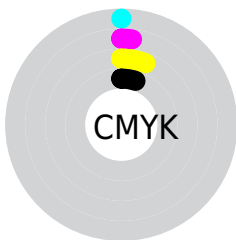
Distribution



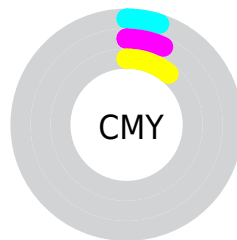
- Red (95%)
- Green (93%)
- Blue (89%)



- Red (93%)
- Yellow (95%)
- Blue (89%)



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



- Cyan (5%)
- Magenta (7%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 80.4785, 84.4142, 84.7249 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 80.4785, 84.4142, 84.7249 by changing the saturation by 10% instead.

80.4785, 84.4142,
84.7249

80.4785, 84.4142,
84.7249

485.2560,
509.6877, 530.8382

60.4220, 63.3575,
63.0653

132.9853,
139.5544, 141.8595

44.0096, 46.1305,
45.4527

166.1662,
174.4067, 178.1715

30.8760, 32.3488,
31.4686

204.4528,
214.6263, 220.2048

20.6558, 21.6280,
20.6945

248.2102,
260.5976, 268.3778

12.9837, 13.5838,
12.7118

297.8039,
312.7050, 323.1091

7.4942, 7.8318,
7.1020

353.5991,

3.8221, 3.9875,

371.3329, 384.8172

3.4466

415.9614,
436.8656, 453.9207

■ 1.6020, 1.6666,
1.3269

■ 0.3937, 0.4019,
0.0837

■ 80.4785, 84.4142,
84.7249

■ 80.4785, 84.4142,
84.7249

■ 74.6612, 77.7538,
67.4489

■ 86.9209, 91.5714,
104.5275

■ 69.4401, 71.5668,
52.5907

■ 90.4284, 97.6175,
108.6837

■ 64.7944, 65.8435,
40.0414

■ 60.6989, 60.5702,
29.6820

■ 57.1267, 55.7317,
21.3824

■ 54.0480, 51.3121,
14.9986

■ 51.4294, 47.2937,
10.3679

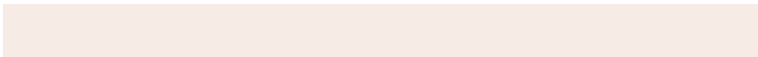
■ 49.2320, 43.6565,
7.3002

■ 47.4084, 40.3769,
5.5590

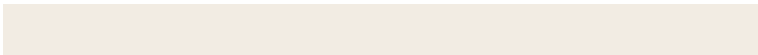
Harmonies

Analogous

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



81.7439, 84.4142, 86.0006



80.4785, 84.4142, 84.7249



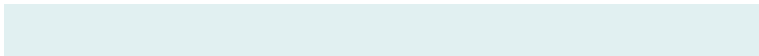
79.1611, 84.4142, 85.3309

Triad

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



80.4785, 84.4142, 84.7249



77.9008, 84.4142, 95.0314



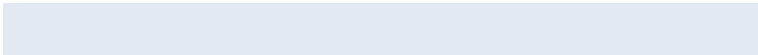
82.3620, 84.4142, 96.2799

Complementary

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



80.4785, 84.4142, 84.7249



76.8443, 81.0181, 95.5933

Split Complementary

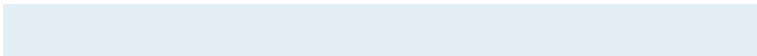
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



81.3148, 84.4142, 98.8246



80.4785, 84.4142, 84.7249



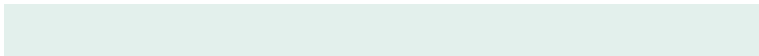
78.7412, 84.4142, 98.0897

Square

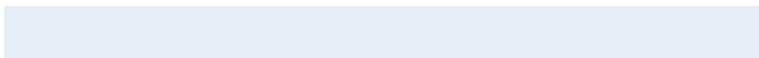
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



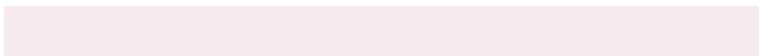
80.4785, 84.4142, 84.7249



77.6825, 84.4142, 91.2126



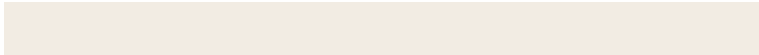
79.9883, 84.4142, 99.4960



82.8391, 84.4142, 92.6164

Rectangle

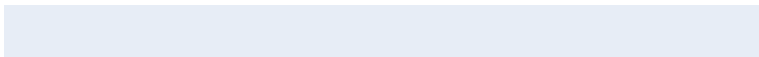
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



80.4785, 84.4142, 84.7249



78.4294, 84.4142, 86.7294



79.9883, 84.4142, 99.4960



82.0644, 84.4142, 97.2985

Sweetspot

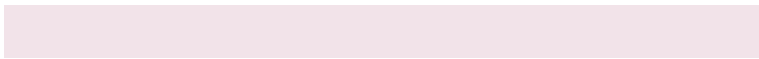
The Sweet Spot groups the original color and five complimentary colors.



80.4808, 84.4179, 84.7267



93.5928, 98.3821, 104.4171



78.7961, 79.6998, 88.3225



20.0480, 21.0749, 22.3965



0.0000, 0.0000, 0.0000



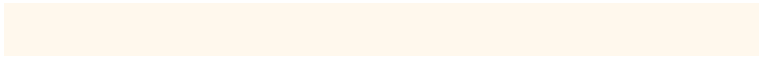
20.3446, 21.4041, 23.3091

Same Dimension

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



80.4808, 84.4179, 84.7267



90.0740, 94.4352, 93.7161



81.7234, 87.6642, 85.2878



16.8011, 17.6087, 17.3401



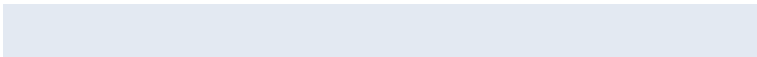
25.2706, 21.3394, 2.7870



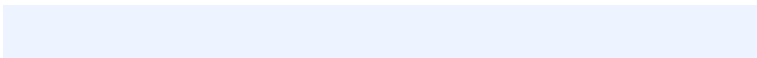
2.1993, 1.9693, 0.2642

Inverse Universe

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



76.8443, 81.0181, 95.5933



85.4616, 90.1232, 107.4989



75.6510, 77.9261, 95.0593



15.8721, 16.7402, 20.1162



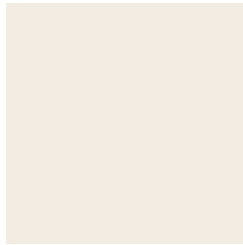
11.0178, 8.2598, 46.1415



1.0113, 0.8766, 3.8701

Previews

White Background



This preview shows how the XYZ color 80.4785, 84.4142, 84.7249 looks on a white background.

Color Contrast Check

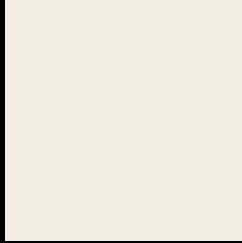
Large Text (above 18pt) WCAG AA × Fail

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 80.4785, 84.4142, 84.7249 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

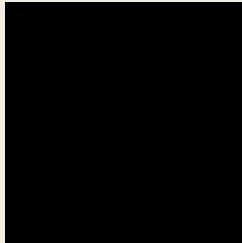
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

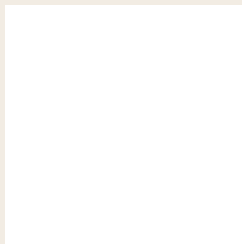
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 80.4785, 84.4142, 84.7249

Background



This preview shows how black text looks on a background with the XYZ color 80.4785, 84.4142, 84.7249.



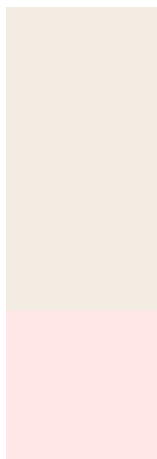
This preview shows how white text looks on a background with the XYZ color 80.4785, 84.4142,

84.7249.

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

80.4785, 84.4142, 84.7249

Protanopia

80.8227, 84.5916, 84.7411

Deuteranopia

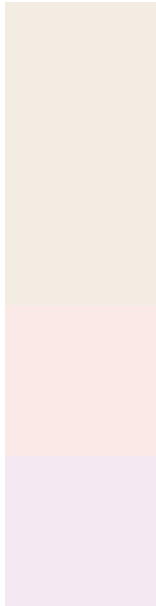
84.2397, 84.1813, 87.4100



Tritanopia

83.9254, 84.0907, 103.0746

Trichromacy



Original Color

80.4785, 84.4142, 84.7249

Protanomaly

80.8227, 84.5916, 84.7411

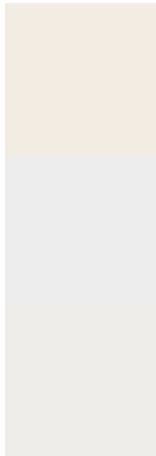
Deuteranomaly

82.8462, 84.3150, 86.7709

Tritanomaly

82.4742, 83.9217, 95.8561

Monochromacy



Original Color

80.4785, 84.4142, 84.7249

Achromatopsia

80.4953, 84.6873, 92.2245

Achromatomaly

80.5888, 84.8023, 89.2118

CSS Examples

Text

The CSS property to change the color of the text to XYZ 80.4785, 84.4142, 84.7249 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(242, 236, 227) looks like.

```
.text, #text, p{  
    color:rgb(242, 236, 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(242, 236, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 236, 227) }
```

Border

The CSS property to change the border of an element to XYZ 80.4785, 84.4142, 84.7249 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(242, 236, 227) }
```


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

```
.border{ border-color:rgb(242, 236, 227) }
```

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

Here you see how a box with a 4 pixel rgb(242, 236, 227) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 236, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 236, 227);  
box-shadow:4px 4px 4px 4px rgb(242, 236,  
227) }
```

Background

The CSS property to change the background color of an element to XYZ 80.4785, 84.4142, 84.7249 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 236, 227) }
```

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

```
.background{ background-color: rgb(242,  
236, 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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