

Converting Colors

XYZ(80.4775, 85.7262, 82.2157)

Have a look what the booklet for
XYZ(80.4775, 85.7262, 82.2157)
contains.

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Color

**XYZ(80.4614, 85.7615,
82.1249)**

Conversions

Conversions Part 1

Format	Color
Hex	F1EFDf
RGB	241, 239, 223
RGB Percent	95%, 94%, 87%
CMY	0.0549, 0.0627, 0.1255
CMYK	0.00, 0.01, 0.07, 0.05
HSL	53°, 39%, 91%
HSV	53°, 7%, 95%
XYZ	80.4614, 85.7615, 82.1249
YIQ	237.7740, 6.3280, -4.5520

Conversions

Conversions Part 2

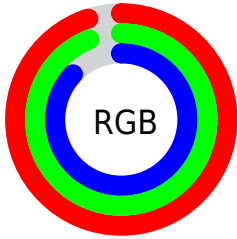
Format	Color
R _Y B	225, 241, 223
Decimal	15855583
CIE Lab	94.21, -2.05, 7.96
CIE LCh	94, 8.224, 104.458
Yxy	85.7615, 0.3240, 0.3453
Android (android.graphics.Color)	4294045663 (0xFFFF1EFD)
YUV	237.7740, -7.2836, 2.8292
Hunter-Lab	92.6075, -6.9746, 12.2465

Details

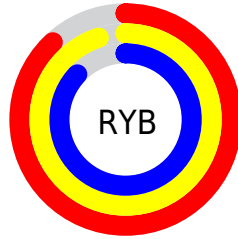
The XYZ color **80.4614, 85.7615, 82.1249** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **73.2337, 75.8880, 94.0080**, and the grayscale version is **81.1464, 85.3723, 92.9704**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.0090, 47.0084, 43.7998** is the 20% darker color. If you saturate the color by 10%, you get **76.6652, 83.0036, 65.9536**, and if you desaturate by 10%, it is **84.7364, 88.7350, 100.7396**.

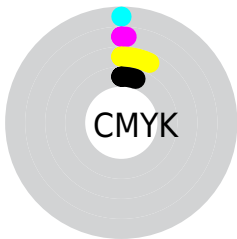
Distribution



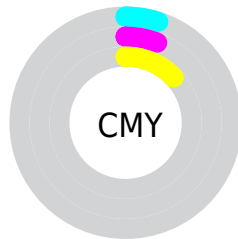
- Red (95%)
- Green (94%)
- Blue (87%)



- Red (88%)
- Yellow (95%)
- Blue (87%)



- Cyan (0%)
- Magenta (1%)
- Yellow (7%)
- Black (5%)



- Cyan (5%)
- Magenta (6%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 80.4614, 85.7615, 82.1249 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 80.4614, 85.7615, 82.1249 by changing the saturation by 10% instead.

80.4614, 85.7615,
82.1249

80.4614, 85.7615,
82.1249

485.1993,
514.1445, 521.9598

60.4079, 64.4708,
60.9321

132.9614,
141.4366, 138.1874

43.9982, 47.0321,
43.7402

166.1385,
176.5898, 173.8941

30.8670, 33.0610,
30.1306

204.4209,
217.1326, 215.2760

20.6489, 22.1732,
19.6848

248.1740,
263.4494, 262.7514

12.9786, 13.9842,
11.9844

297.7630,
315.9246, 316.7389

7.4907, 8.1097,
6.6106

353.5533,

3.8199, 4.1652,

374.9425, 377.6571

3.1451

415.9103,
440.8877, 445.9246

■ 1.6007, 1.7664,
1.1692

■ 0.3929, 0.4661,
0.0000

■ 80.4614, 85.7615,
82.1249

■ 80.4614, 85.7615,
82.1249

■ 76.6652, 83.0036,
65.9536

■ 84.7364, 88.7350,
100.7396

■ 73.3213, 80.4422,
52.1178

■ 86.7818, 90.8325,
107.5663

■ 70.4112, 78.0727,
40.5097

■ 87.5930, 92.4549,
107.8367

■ 67.9124, 75.8859,
31.0108

■ 88.4159, 94.1008,
108.1110

■ 65.8001, 73.8720,
23.4918

■ 89.2506, 95.7702,
108.3892

■ 64.0471, 72.0199,
17.8089

■ 90.0860, 97.4410,
108.6677

■ 62.6224, 70.3171,
13.7992

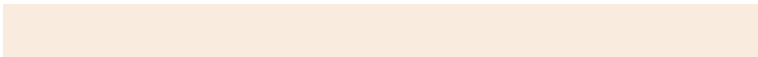
■ 61.4895, 68.7490,
11.2708

■ 60.6004, 67.2962,
9.9707

Harmonies

Analogous

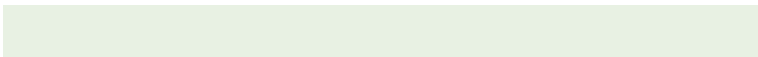
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.6533, 85.7615, 82.1795



80.4614, 85.7615, 82.1249



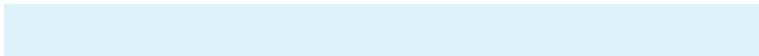
78.5846, 85.7615, 84.9906

Triad

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



80.4614, 85.7615, 82.1249



78.5293, 85.7615, 102.1310



85.6606, 85.7615, 96.6661

Complementary

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



80.4614, 85.7615, 82.1249



73.2337, 75.8880, 94.0080

Split Complementary

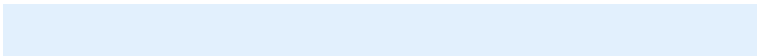
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



84.5147, 85.7615, 102.3034



80.4614, 85.7615, 82.1249



80.3847, 85.7615, 105.5540

Square

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



80.4614, 85.7615, 82.1249



77.4828, 85.7615, 96.4394



82.5752, 85.7615, 105.6185



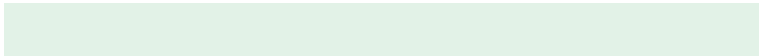
85.6821, 85.7615, 90.3854

Rectangle

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



80.4614, 85.7615, 82.1249



77.7535, 85.7615, 88.2491



82.5752, 85.7615, 105.6185



85.3933, 85.7615, 98.7054

Sweetspot

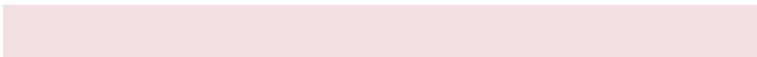
The Sweet Spot groups the original color and five complimentary colors.



80.4638, 85.7652, 82.1267



94.0596, 99.3157, 104.5727



76.2686, 76.9191, 82.1340



20.1430, 21.2649, 22.4282



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.



80.4638, 85.7652, 82.1267



90.7664, 96.9966, 90.3195



78.7401, 85.7486, 82.2144



16.9645, 18.1422, 16.7574



32.8128, 36.4236, 5.3010



2.7720, 3.1147, 0.4551

Inverse Universe

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



73.2337, 75.8880, 94.0080



80.9372, 83.5686, 106.4722



74.8670, 75.9340, 93.9308



15.0383, 15.5107, 19.9229



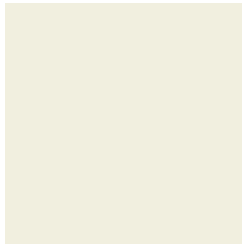
8.8663, 3.9568, 45.4243



0.7838, 0.4215, 3.7943

Previews

White Background



This preview shows how the XYZ color 80.4614, 85.7615, 82.1249 looks on a white background.

Color Contrast Check

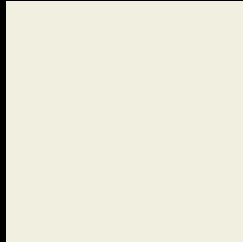
Large Text (above 18pt) WCAG AA × Fail

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 80.4614, 85.7615, 82.1249 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

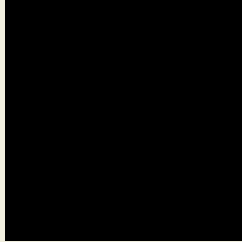
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

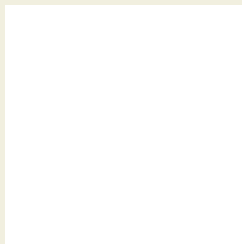
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 80.4614, 85.7615, 82.1249

Background



This preview shows how black text looks on a background with the XYZ color 80.4614, 85.7615, 82.1249.



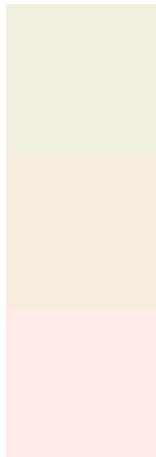
This preview shows how white text looks on a background with the XYZ color 80.4614, 85.7615,

82.1249.

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

80.4614, 85.7615, 82.1249

Protanopia

81.4750, 85.4351, 81.3037

Deuteranopia

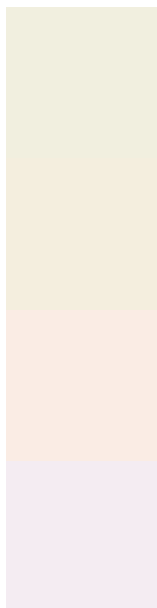
85.0866, 85.8752, 87.6923



Tritanopia

85.0941, 85.9210, 105.0280

Trichromacy



Original Color

80.4614, 85.7615, 82.1249

Protanomaly

81.0676, 85.6561, 81.3678

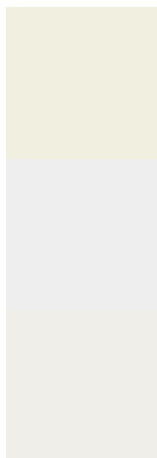
Deuteranomaly

83.4234, 85.9163, 85.5854

Tritanomaly

83.3307, 85.6348, 96.1416

Monochromacy



Original Color

80.4614, 85.7615, 82.1249

Achromatopsia

81.2670, 85.4993, 93.1087

Achromatomaly

80.8791, 85.3830, 89.3086

CSS Examples

Text

The CSS property to change the color of the text to XYZ 80.4614, 85.7615, 82.1249 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(241, 239, 223) looks like.

```
.text, #text, p{  
    color:rgb(241, 239, 223)  
}
```

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(241, 239, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(241, 239, 223) }
```

Border

The CSS property to change the border of an element to XYZ 80.4614, 85.7615, 82.1249 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(241, 239, 223) }
```


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

```
.border{ border-color:rgb(241, 239, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(241, 239, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(241, 239, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(241, 239, 223);  
box-shadow:4px 4px 4px 4px rgb(241, 239,  
223) }
```

Background

The CSS property to change the background color of an element to XYZ 80.4614, 85.7615, 82.1249 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(241, 239, 223) }
```

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

```
.background{ background-color: rgb(241,  
239, 223) }
```

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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