

Converting Colors

XYZ(80.7501, 84.0634, 87.5712)

Have a look what the booklet for
XYZ(80.7501, 84.0634, 87.5712)
contains.

XYZ(80.7501, 84.0634, 87.5712)	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(80.7501, 84.0634,
87.5712)**

Conversions

Conversions Part 1

Format	Color
Hex	F2EBE7
RGB	242, 235, 231
RGB Percent	95%, 92%, 91%
CMY	0.0510, 0.0784, 0.0941
CMYK	0.00, 0.03, 0.05, 0.05
HSL	22°, 30%, 93%
HSV	22°, 5%, 95%
XYZ	80.7501, 84.0634, 87.5712
YIQ	236.6370, 5.4560, 0.2400

Conversions

Conversions Part 2

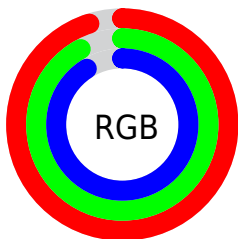
Format	Color
R _Y B	242, 237, 231
Decimal	15920103
CIE Lab	93.48, 1.67, 2.76
CIE LCh	93, 3.227, 58.869
Yxy	84.0634, 0.3199, 0.3331
Android (android.graphics.Color)	4294110183 (0xFFFF2EBE7)
YUV	236.6370, -2.7790, 4.7034
Hunter-Lab	91.6861, -3.2415, 7.5512

Details

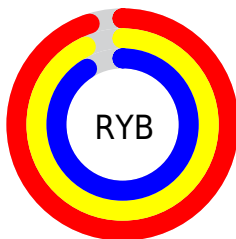
The XYZ color **80.7501, 84.0634, 87.5712** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **79.5566, 84.5477, 96.1318**, and the grayscale version is **80.2369, 84.4155, 91.9285**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.1077, 45.7744, 47.0681** is the 20% darker color. If you saturate the color by 10%, you get **73.3488, 74.3571, 69.3908**, and if you desaturate by 10%, it is **88.9775, 94.7156, 108.2001**.

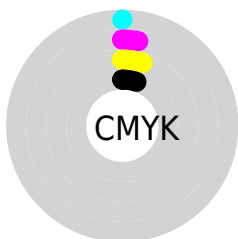
Distribution



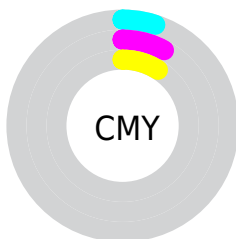
- Red (95%)
- Green (92%)
- Blue (91%)



- Red (95%)
- Yellow (93%)
- Blue (91%)



- Cyan (0%)
- Magenta (3%)
- Yellow (5%)
- Black (5%)



- Cyan (5%)
- Magenta (8%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 80.7501, 84.0634, 87.5712 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 80.7501, 84.0634, 87.5712 by changing the saturation by 10% instead.

80.7501, 84.0634,
87.5712

80.7501, 84.0634,
87.5712

486.1553,
508.5238, 540.4629

60.6464, 63.0678,
65.4057

133.3648,
139.0639, 145.8659

44.1913, 45.8960,
47.3367

166.6065,
173.8375, 182.8322

31.0195, 32.1638,
32.9456

204.9583,
213.9726, 225.5691

20.7656, 21.4866,
21.8140

248.7855,
259.8535, 274.4953

13.0642, 13.4802,
13.5233

298.4534,
311.8647, 330.0292

7.5501, 7.7600,
7.6549

354.3274,

3.8578, 3.9418,

370.3906, 392.5894

3.7904

416.7729,
435.8154, 462.5945

■ 1.6220, 1.6410,
1.5111

■ 0.4067, 0.3850,
0.2261

■ 80.7501, 84.0634,
87.5712

■ 80.7501, 84.0634,
87.5712

■ 73.3488, 74.3571,
69.3908

■ 88.9775, 94.7156,
108.2001

■ 66.7703, 65.5719,
53.7200

■ 90.4284, 97.6175,
108.6837

■ 60.9862, 57.6831,
40.4488

■ 55.9639, 50.6611,
29.4568

■ 51.6684, 44.4742,
20.6133

■ 48.0615, 39.0890,
13.7739

■ 45.1011, 34.4691,
8.7763

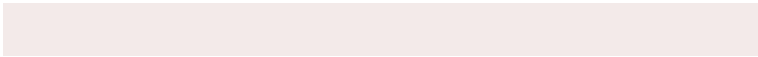
■ 42.7393, 30.5749,
5.4323

■ 40.9198, 27.3618,
3.5122

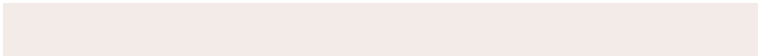
Harmonies

Analogous

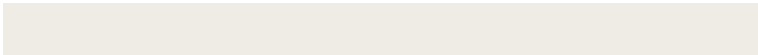
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.3437, 84.0634, 89.2831



80.7501, 84.0634, 87.5712



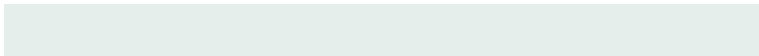
79.9321, 84.0634, 86.9174

Triad

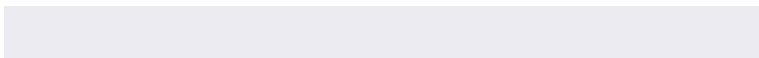
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



80.7501, 84.0634, 87.5712



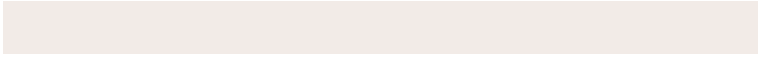
78.2722, 84.0634, 91.4382



80.6937, 84.0634, 95.7033

Complementary

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



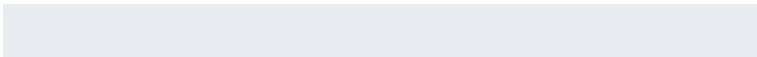
80.7501, 84.0634, 87.5712



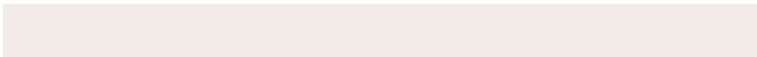
79.5566, 84.5477, 96.1318

Split Complementary

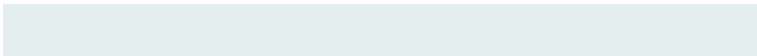
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



79.8674, 84.0634, 96.3046



80.7501, 84.0634, 87.5712



78.4730, 84.0634, 93.8159

Square

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



80.7501, 84.0634, 87.5712



78.5049, 84.0634, 89.1254



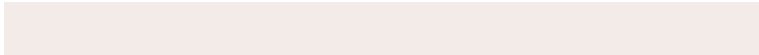
79.0554, 84.0634, 95.6079



81.3110, 84.0634, 93.9790

Rectangle

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



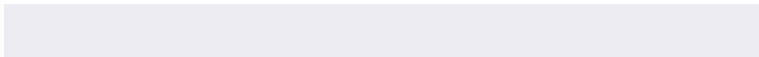
80.7501, 84.0634, 87.5712



79.3708, 84.0634, 87.1604



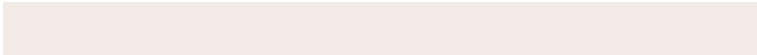
79.0554, 84.0634, 95.6079



80.4310, 84.0634, 96.0448

Sweetspot

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



80.7525, 84.0670, 87.5730



94.1269, 98.8065, 106.5803



80.6497, 82.2122, 92.6235



20.1568, 21.1612, 22.8370



0.0000, 0.0000, 0.0000



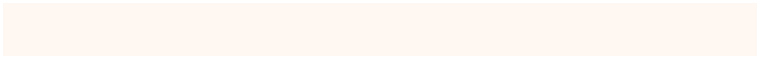
20.3446, 21.4041, 23.3091

Same Dimension

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



80.7525, 84.0670, 87.5730



90.5321, 94.1408, 97.6008



82.3062, 87.1744, 88.0909



16.8487, 17.4916, 18.0105



21.6687, 14.1354, 1.5863



1.8941, 1.3589, 0.1625

Inverse Universe

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



79.5566, 84.5477, 96.1318



89.0511, 94.7360, 108.2001



78.0232, 81.4809, 95.6207



16.5357, 17.6174, 20.2506



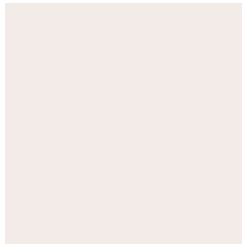
14.9441, 16.1125, 47.4503



1.3375, 1.5289, 3.9788

Previews

White Background



This preview shows how the XYZ color 80.7501, 84.0634, 87.5712 looks on a white background.

Color Contrast Check

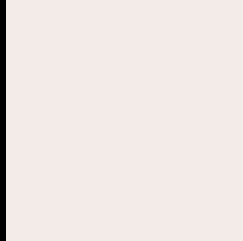
Large Text (above 18pt) WCAG AA × Fail

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 80.7501, 84.0634, 87.5712 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

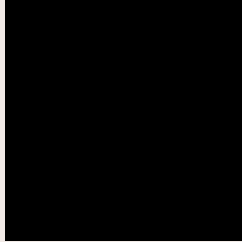
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

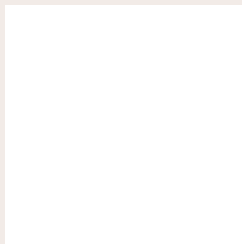
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 80.7501, 84.0634, 87.5712

Background



This preview shows how black text looks on a background with the XYZ color 80.7501, 84.0634, 87.5712.



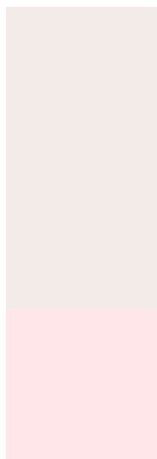
This preview shows how white text looks on a background with the XYZ color 80.7501, 84.0634,

87.5712.

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

80.7501, 84.0634, 87.5712

Protanopia

80.7501, 84.0634, 87.5712

Deuteranopia

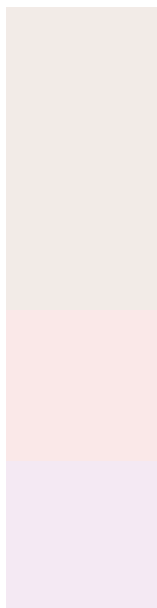
84.2448, 83.7368, 88.8134



Tritanopia

83.7681, 84.0278, 102.2464

Trichromacy



Original Color

80.7501, 84.0634, 87.5712

Protanomaly

80.7501, 84.0634, 87.5712

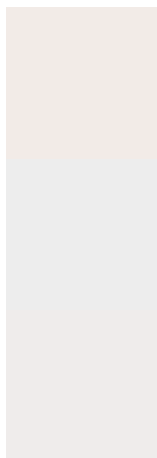
Deuteranomaly

82.8464, 83.8634, 88.1647

Tritanomaly

82.6248, 83.9820, 96.6494

Monochromacy



Original Color

80.7501, 84.0634, 87.5712

Achromatopsia

80.4953, 84.6873, 92.2245

Achromatomaly

80.5875, 84.3398, 90.6291

CSS Examples

Text

The CSS property to change the color of the text to XYZ 80.7501, 84.0634, 87.5712 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, 235, 231) looks like.

```
.text, #text, p{  
    color:rgb(242, 235, 231)  
}
```

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, 235, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 235, 231) }
```

Border

The CSS property to change the border of an element to XYZ 80.7501, 84.0634, 87.5712 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, 235, 231) }
```


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

```
.border{ border-color:rgb(242, 235, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 235, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 235, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 235, 231);  
box-shadow:4px 4px 4px 4px rgb(242, 235,  
231) }
```

Background

The CSS property to change the background color of an element to XYZ 80.7501, 84.0634, 87.5712 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 235, 231) }
```

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

```
.background{ background-color: rgb(242,  
235, 231) }
```

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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