

Converting Colors

XYZ(80.9115, 87.9342, 77.5620)

Have a look what the booklet for
XYZ(80.9115, 87.9342, 77.5620)
contains.

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Color

**XYZ(80.7209, 87.7598,
77.6506)**

Conversions

Conversions Part 1

Format	Color
Hex	F1F3D8
RGB	241, 243, 216
RGB Percent	95%, 95%, 85%
CMY	0.0549, 0.0470, 0.1529
CMYK	0.01, 0.00, 0.11, 0.05
HSL	64°, 53%, 90%
HSV	64°, 11%, 95%
XYZ	80.7209, 87.7598, 77.6506
YIQ	239.3240, 7.4750, -8.8210

Conversions

Conversions Part 2

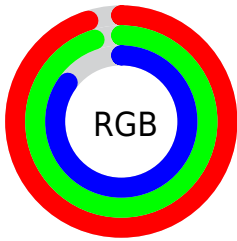
Format	Color
R_{YB}	216, 243, 218
Decimal	15856600
CIE _{Lab}	95.06, -5.21, 12.80
CIE _{LCh}	95, 13.815, 112.141
Y _{xy}	87.7598, 0.3280, 0.3566
Android (android.graphics.Color)	4294046680 (0xFFFF1F3D8)
Y _{UV}	239.3240, -11.4987, 1.4699
Hunter-Lab	93.6802, -10.1332, 16.4312

Details

The XYZ color **80.7209, 87.7598, 77.6506** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **69.6503, 70.4905, 94.7337**, and the grayscale version is **82.3812, 86.6715, 94.3852**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.2109, 48.4281, 40.7356** is the 20% darker color. If you saturate the color by 10%, you get **77.1969, 86.2823, 62.2812**, and if you desaturate by 10%, it is **84.7204, 89.4340, 95.4711**.

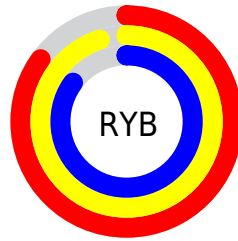
Distribution



Red (95%)

Green (95%)

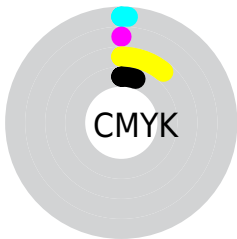
Blue (85%)



Red (85%)

Yellow (95%)

Blue (85%)

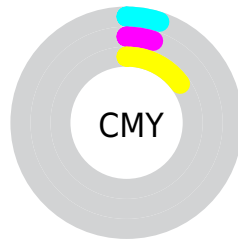


Cyan (1%)

Magenta (0%)

Yellow (11%)

Black (5%)



Cyan (5%)


Magenta (5%)


Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 80.7209, 87.7598, 77.6506 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 80.7209, 87.7598, 77.6506 by changing the saturation by 10% instead.


 80.7209, 87.7598,
77.6506

 80.7209, 87.7598,
77.6506


486.0586,
520.7163, 506.4759

 60.6223, 66.1242,
57.2723

133.3240,
144.2227, 131.8388

 44.1718, 48.3732,
40.8131

166.5592,
179.8188, 166.4858

 31.0041, 34.1225,
27.8544


204.9040,
220.8371, 206.7261

 20.7538, 22.9877,
17.9779

248.7236,
267.6620, 252.9782

 13.0556, 14.5845,
10.7648

298.3836,
320.6780, 305.6607

 7.5441, 8.5283,
5.7967

354.2492,

 3.8540, 4.4348,

380.2695, 365.1921

2.6551

416.6857,
446.8208, 431.9910

■ 1.6199, 1.9196,
0.9207

■ 0.4053, 0.5601,
0.0000

■ 80.7209, 87.7598,
77.6506

■ 80.7209, 87.7598,
77.6506

■ 77.1969, 86.2823,
62.2812

■ 84.7204, 89.4340,
95.4711

■ 74.1210, 84.9818,
49.2503

■ 87.6223, 90.6670,
107.4900

■ 71.4736, 83.8535,
38.4446

■ 88.2535, 90.9923,
107.5196

■ 69.2312, 82.8879,
29.7398

■ 88.8908, 91.3209,
107.5494

67.3678, 82.0745,
22.9987

89.5343, 91.6526,
107.5795

65.8541, 81.4017,
18.0684

90.1840, 91.9875,
107.6099

64.6569, 80.8562,
14.7732

90.8399, 92.3257,
107.6406

63.7361, 80.4220,
12.9026

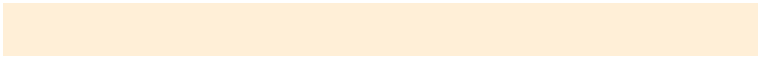
91.3424, 92.5847,
107.6641

63.0930, 80.1067,
12.1368

Harmonies

Analogous

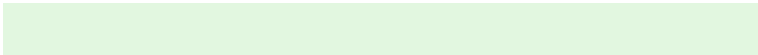
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.4044, 87.7598, 76.4975



80.7209, 87.7598, 77.6506



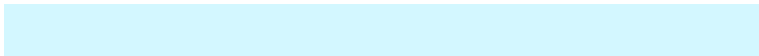
77.8405, 87.7598, 83.4165

Triad

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



80.7209, 87.7598, 77.6506



79.0592, 87.7598, 112.8318



90.7731, 87.7598, 98.4114

Complementary

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



80.7209, 87.7598, 77.6506



69.6503, 70.4905, 94.7337

Split Complementary

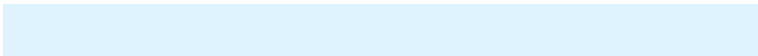
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



89.2454, 87.7598, 108.8185



80.7209, 87.7598, 77.6506



82.4295, 87.7598, 117.5419

Square

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



80.7209, 87.7598, 77.6506



76.9014, 87.7598, 103.5640



86.1644, 87.7598, 116.0207



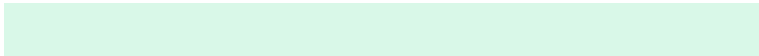
90.2824, 87.7598, 87.9709

Rectangle

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



80.7209, 87.7598, 77.6506



76.7267, 87.7598, 89.3522



86.1644, 87.7598, 116.0207



90.4770, 87.7598, 102.0394

Sweetspot

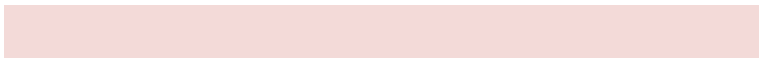
The Sweet Spot groups the original color and five complimentary colors.



80.7233, 87.7636, 77.6525



93.6339, 99.4095, 102.5320



74.3792, 74.0539, 75.3406



19.9623, 21.2447, 21.5911



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.



80.7233, 87.7636, 77.6525



89.2651, 97.5821, 83.1323



76.3482, 85.5082, 77.4477



17.7861, 19.2473, 17.5752



34.6764, 43.9892, 6.6631



3.0833, 3.8846, 0.5873

Inverse Universe

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



69.6503, 70.4905, 94.7337



74.9684, 75.2799, 105.1870



73.7881, 72.6237, 94.9274



15.6951, 15.9855, 20.8008



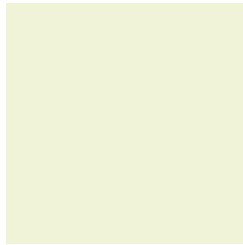
9.0572, 3.6435, 46.7639



0.8349, 0.3402, 4.1119

Previews

White Background



This preview shows how the XYZ color 80.7209, 87.7598, 77.6506 looks on a white background.

Color Contrast Check

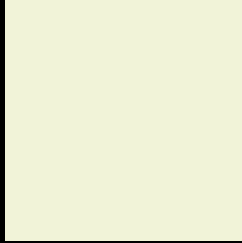
Large Text (above 18pt) WCAG AA × Fail

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 80.7209, 87.7598, 77.6506 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

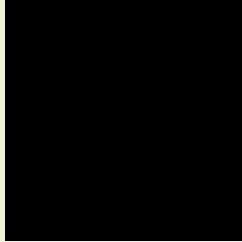
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

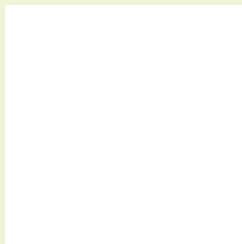
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 80.7209, 87.7598, 77.6506

Background



This preview shows how black text looks on a background with the XYZ color 80.7209, 87.7598, 77.6506.

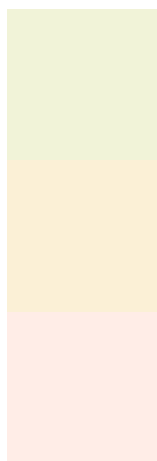


This preview shows how white text looks on a background with the XYZ color 80.7209, 87.7598,

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

80.7209, 87.7598, 77.6506

Protanopia

83.0813, 87.6844, 76.1643

Deuteranopia

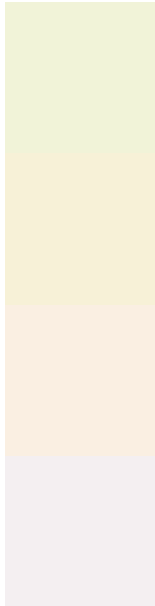
85.9480, 87.5979, 87.9794



Tritanopia

86.3402, 87.3812, 106.9234

Trichromacy



Original Color

80.7209, 87.7598, 77.6506

Protanomaly

82.0788, 87.5910, 76.8707

Deuteranomaly

84.0183, 87.5480, 84.4217

Tritanomaly

84.0519, 87.3170, 95.6429

Monochromacy



Original Color

80.7209, 87.7598, 77.6506

Achromatopsia

82.0431, 86.3157, 93.9978

Achromatomaly

81.5191, 86.6150, 88.0231

CSS Examples

Text

The CSS property to change the color of the text to XYZ 80.7209, 87.7598, 77.6506 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, 243, 216) looks like.

```
.text, #text, p{  
    color:rgb(241, 243, 216)  
}
```

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, 243, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(241, 243, 216) }
```

Border

The CSS property to change the border of an element to XYZ 80.7209, 87.7598, 77.6506 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, 243, 216) }
```


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

```
.border{ border-color:rgb(241, 243, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(241, 243, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(241, 243, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(241, 243, 216);  
box-shadow:4px 4px 4px 4px rgb(241, 243,  
216) }
```

Background

The CSS property to change the background color of an element to XYZ 80.7209, 87.7598, 77.6506 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(241, 243, 216) }
```

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

```
.background{ background-color: rgb(241,  
243, 216) }
```

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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