

Converting Colors

XYZ(86.6993, 91.4776, 49.0349)

Have a look what the booklet for
XYZ(86.6993, 91.4776, 49.0349)
contains.

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Color

**XYZ(80.1735, 88.1144,
48.8586)**

Conversions

Conversions Part 1

Format	Color
Hex	FFF3A6
RGB	255, 243, 166
RGB Percent	100%, 95%, 65%
CMY	0.0000, 0.0470, 0.3490
CMYK	0.00, 0.05, 0.35, 0.00
HSL	52°, 100%, 83%
HSV	52°, 35%, 100%
XYZ	80.1735, 88.1144, 48.8586
YIQ	237.8100, 31.8690, -21.4030

Conversions

Conversions Part 2

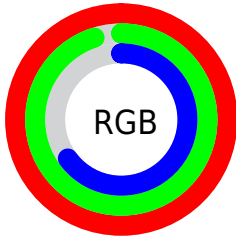
Format	Color
RYB	180, 255, 166
Decimal	16774054
CIELab	95.21, -6.92, 38.62
CIELCh	95, 39.238, 100.162
Yxy	88.1144, 0.3692, 0.4058
Android (android.graphics.Color)	4294964134 (0xFFFFF3A6)
YUV	237.8100, -35.4023, 15.0756
Hunter-Lab	93.8693, -11.8148, 34.8483

Details

The XYZ color **80.1735, 88.1144, 48.8586** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **49.6959, 47.1663, 101.0924**, and the grayscale version is **81.3709, 85.6085, 93.2277**.

A 20% lighter version of the original color is **90.1848, 98.0539, 83.2803**, and **43.7769, 48.6032, 22.6969** is the 20% darker color. If you saturate the color by 10%, you get **77.0445, 85.2358, 37.3971**, and if you desaturate by 10%, it is **83.7900, 91.2251, 62.7726**.

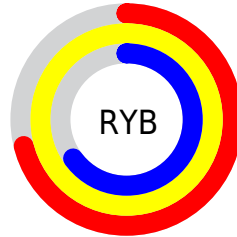
Distribution



Red (100%)

Green (95%)

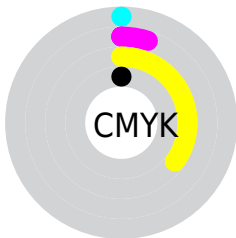
Blue (65%)



Red (71%)

Yellow (100%)

Blue (65%)

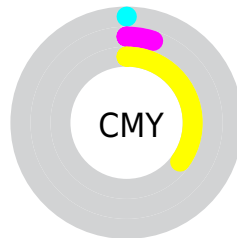


Cyan (0%)

Magenta (5%)

Yellow (35%)

Black (0%)



Cyan (0%)


Magenta (5%)

Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 80.1735, 88.1144, 48.8586 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 80.1735, 88.1144, 48.8586 by changing the saturation by 10% instead.


 80.1735, 88.1144,
48.8586


 80.1735, 88.1144,
48.8586


484.2450,
521.8778, 398.7918

 60.1701, 66.4178,
34.1425


 132.5589,
144.7164, 89.8602

 43.8057, 48.6117,
22.7249


 165.6716,
180.3906, 116.9828

 30.7151, 34.3115,
14.1871


203.8847,
221.4929, 149.0780

 20.5327, 23.1330,
8.1107

247.5637,
268.4075, 186.5644

 12.8934, 14.6918,
4.0771

297.0739,
321.5189, 229.8604

 7.4317, 8.6033,
1.6677

352.7806,

 3.7822, 4.4834,

381.2115, 279.3846

0.3385

415.0491,
447.8696, 335.5556

■ 1.5797, 1.9475,
0.0000

■ 0.3791, 0.5767,
0.0000

■ 80.1735, 88.1144,
48.8586

■ 80.1735, 88.1144,
48.8586

■ 77.0445, 85.2358,
37.3971

■ 83.7900, 91.2251,
62.7726

■ 74.3687, 82.5659,
28.2376

■ 87.9128, 94.5661,
79.2669

■ 72.1177, 80.0965,
21.2214

■ 92.5676, 98.1511,
98.4668

■ 70.2571, 77.8135,
16.1674

95.0500, 100.0000,
108.9000

■ 68.7467, 75.7007,
12.8649

■ 67.5372, 73.7382,
11.0542

■ 67.0005, 72.7810,
10.5168

Harmonies

Analogous

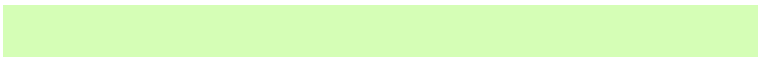
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.9252, 88.1144, 50.5167



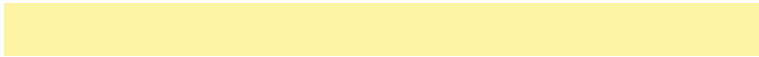
80.1735, 88.1144, 48.8586



71.1735, 88.1144, 57.6007

Triad

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



80.1735, 88.1144, 48.8586



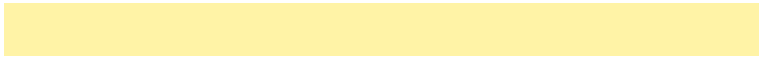
68.9954, 88.1144, 139.1650



104.6242, 88.1144, 117.3504

Complementary

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



80.1735, 88.1144, 48.8586



49.6959, 47.1663, 101.0924

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.



97.7273, 88.1144, 148.3621



80.1735, 88.1144, 48.8586



76.9627, 88.1144, 162.6978

Square

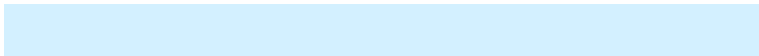
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



80.1735, 88.1144, 48.8586



65.0934, 88.1144, 106.7138



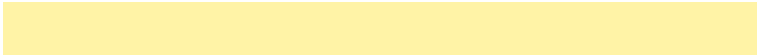
87.4315, 88.1144, 166.3817



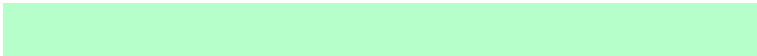
105.6691, 88.1144, 85.9199

Rectangle

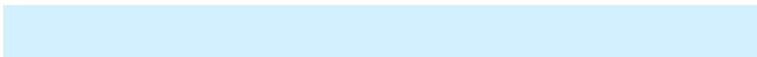
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



80.1735, 88.1144, 48.8586



67.1465, 88.1144, 69.5182



87.4315, 88.1144, 166.3817



102.8872, 88.1144, 128.3329

Sweetspot

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



80.1757, 88.1184, 48.8604



90.1263, 96.2922, 88.3314



63.0490, 51.8023, 49.5106



19.1521, 20.5033, 18.3358



0.0000, 0.0000, 0.0000



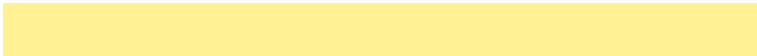
20.3446, 21.4041, 23.3091

Same Dimension

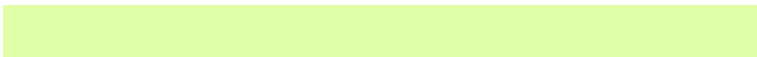
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.1757, 88.1184, 48.8604



77.9047, 86.0497, 40.4787



73.3374, 90.0966, 49.6027



19.3402, 20.6485, 19.1106



35.0902, 38.1916, 5.5223



3.4719, 3.8291, 0.5561

Inverse Universe

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



49.6959, 47.1663, 101.0924



43.2237, 39.4646, 99.9470



54.7523, 46.3841, 100.6749



17.2003, 17.7723, 22.7738



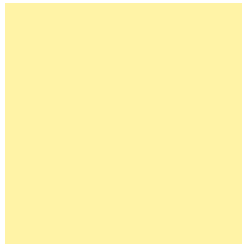
9.7959, 4.5014, 49.7871



1.0116, 0.5538, 4.8669

Previews

White Background



This preview shows how the XYZ color 80.1735, 88.1144, 48.8586 looks on a white background.

Color Contrast Check

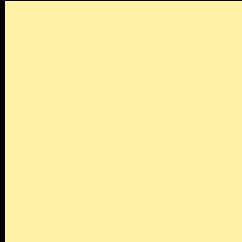
Large Text (above 18pt) WCAG AA × Fail

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 80.1735, 88.1144, 48.8586 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 80.1735, 88.1144, 48.8586

Background



This preview shows how black text looks on a background with the XYZ color 80.1735, 88.1144, 48.8586.

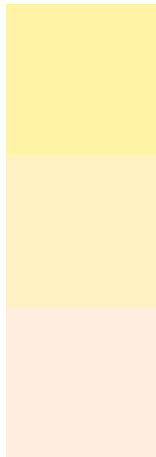


This preview shows how white text looks on a background with the XYZ color 80.1735, 88.1144,

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

80.1735, 88.1144, 48.8586

Protanopia

82.3209, 88.0208, 63.1030

Deuteranopia

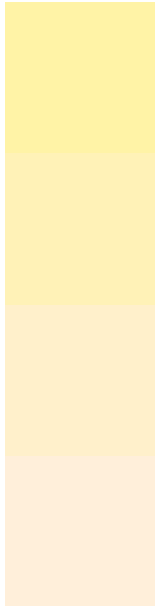
85.2691, 87.7909, 82.9722



Tritanopia

88.0240, 87.9663, 100.3355

Trichromacy



Original Color

80.1735, 88.1144, 48.8586

Protanomaly

81.5394, 88.1832, 57.5232

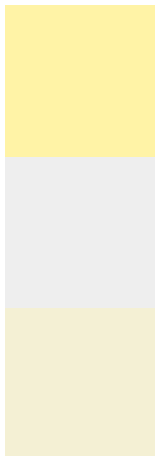
Deuteranomaly

83.1796, 87.8920, 69.0807

Tritanomaly

84.7614, 88.0550, 78.8586

Monochromacy



Original Color

80.1735, 88.1144, 48.8586

Achromatopsia

81.2670, 85.4993, 93.1087

Achromatomaly

80.3520, 86.3067, 74.7112

CSS Examples

Text

The CSS property to change the color of the text to XYZ 80.1735, 88.1144, 48.8586 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(255, 243, 166)` looks like.

```
.text, #text, p{  
    color:rgb(255, 243, 166)  
}
```

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(255, 243, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 243, 166) }
```

Border

The CSS property to change the border of an element to XYZ 80.1735, 88.1144, 48.8586 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(255, 243, 166) }
```


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

```
.border{ border-color:rgb(255, 243, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 243, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 243, 166); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 243, 166); box-shadow:4px 4px 4px 4px rgb(255, 243, 166) }
```

Background

The CSS property to change the background color of an element to XYZ 80.1735, 88.1144, 48.8586 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 243, 166) }
```

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

```
.background{ background-color: rgb(255,  
243, 166) }
```

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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