

Converting Colors

$Y_{xy}(80.6250, 0.3709, 0.4003)$

Have a look what the booklet for
Yxy(80.6250, 0.3709, 0.4003)
contains.

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Color

Yxy(80.6816, 0.3710, 0.3997)

Conversions

Conversions Part 1

Format	Color
Hex	FAE8A3
RGB	250, 232, 163
RGB Percent	98%, 91%, 64%
CMY	0.0197, 0.0902, 0.3607
CMYK	0.00, 0.07, 0.35, 0.02
HSL	48°, 90%, 81%
HSV	48°, 35%, 98%
XYZ	74.8884, 80.6816, 46.2854
YIQ	229.5160, 32.8770, -17.6430

Conversions

Conversions Part 2

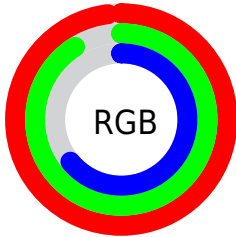
Format	Color
R _Y B	186, 250, 163
Decimal	16443555
CIE Lab	91.99, -3.66, 35.81
CIE LCh	92, 35.996, 95.844
Yxy	80.6816, 0.3710, 0.3997
Android (android.graphics.Color)	4294633635 (0xFFFAE8A3)
YUV	229.5160, -32.7924, 17.9645
Hunter-Lab	89.8229, -8.3688, 32.3241

Details

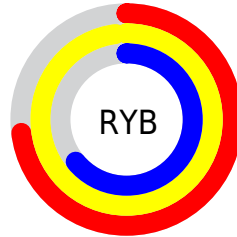
The Yxy color **80.6816, 0.3710, 0.3997** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **47.7343, 0.2524, 0.2465**, and the grayscale version is **78.9848, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.8420, 0.3345, 0.3651**, and **43.7765, 0.3831, 0.4164** is the 20% darker color. If you saturate the color by 10%, you get **77.0099, 0.3891, 0.4195**, and if you desaturate by 10%, it is **84.6233, 0.3532, 0.3791**.

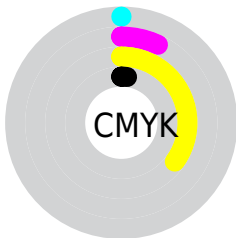
Distribution



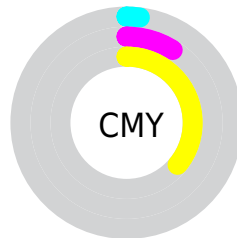
- Red (98%)
- Green (91%)
- Blue (64%)



- Red (73%)
- Yellow (98%)
- Blue (64%)



- Cyan (0%)
- Magenta (7%)
- Yellow (35%)
- Black (2%)




- Cyan (2%)
- Magenta (9%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 80.6816, 0.3710, 0.3997 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 Yxy color 80.6816, 0.3710, 0.3997 by changing the saturation by 10% instead.


 80.6816, 0.3710,
0.3997

 80.6816, 0.3710,
0.3997


497.2269, 0.3451,
0.3678

 60.2794, 0.3766,
0.4067


 134.3236, 0.3623,
0.3888

 43.6439, 0.3833,
0.4152


 168.3322, 0.3588,
0.3845

 30.3906, 0.3914,
0.4256


207.6450, 0.3558,
0.3808

 20.1353, 0.4014,
0.4386

252.6465, 0.3531,
0.3776

 12.4934, 0.4138,
0.4551

303.7211, 0.3507,
0.3747

 7.0807, 0.4291,
0.4763

361.2531, 0.3486,

 3.5126, 0.4601,

0.3721

0.5181

425.6269, 0.3468,
0.3698

■ 1.4048, 0.4642,
0.5358

■ 0.2203, 0.3525,
0.6475

■ 80.6816, 0.3710,
0.3997

■ 80.6816, 0.3710,
0.3997

■ 77.0099, 0.3891,
0.4195

■ 84.6233, 0.3532,
0.3791

■ 73.5858, 0.4068,
0.4374

■ 88.8343, 0.3360,
0.3584

■ 70.4009, 0.4232,
0.4524

■ 93.3279, 0.3200,
0.3383

■ 67.4412, 0.4378,
0.4635

■ 97.5861, 0.3097,
0.3268

■ 64.6908, 0.4496,
0.4700

■ 99.0606, 0.3096,
0.3290

■ 62.1303, 0.4585,
0.4717

■ 60.8564, 0.4622,
0.4712

Harmonies

Analogous

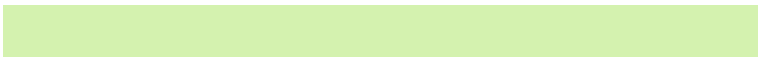
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.6816, 0.3935, 0.3771



80.6816, 0.3710, 0.3997



80.6816, 0.3335, 0.4032

Triad

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



80.6816, 0.3710, 0.3997



80.6816, 0.2383, 0.3044



80.6816, 0.3300, 0.2829

Complementary

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



80.6816, 0.3710, 0.3997



47.7343, 0.2524, 0.2465

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.



80.6816, 0.2879, 0.2652



80.6816, 0.3710, 0.3997



80.6816, 0.2374, 0.2750

Square

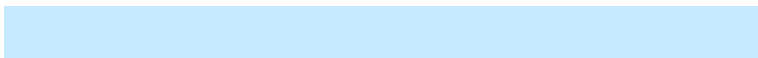
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



80.6816, 0.3710, 0.3997



80.6816, 0.2576, 0.3446



80.6816, 0.2548, 0.2619



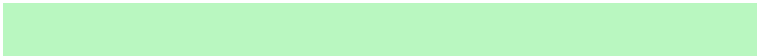
80.6816, 0.3695, 0.3112

Rectangle

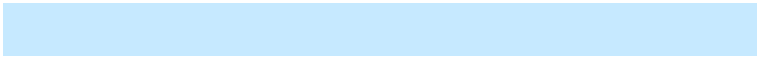
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



80.6816, 0.3710, 0.3997



80.6816, 0.3056, 0.3920



80.6816, 0.2548, 0.2619



80.6816, 0.3156, 0.2756

Sweetspot

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



80.6853, 0.3710, 0.3997



95.1489, 0.3282, 0.3487



49.8944, 0.3775, 0.3091



20.2251, 0.3305, 0.3516



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



80.6853, 0.3710, 0.3997



81.5978, 0.3841, 0.4142



87.0678, 0.3481, 0.4212



19.5458, 0.3274, 0.3477



32.4990, 0.4613, 0.4719



3.1579, 0.4553, 0.4767

Inverse Universe

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



47.7343, 0.2524, 0.2465



42.2682, 0.2382, 0.2257



43.7513, 0.2671, 0.2291



17.2240, 0.2979, 0.3096



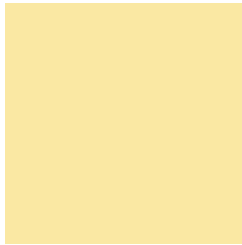
5.1118, 0.1557, 0.0806



0.6180, 0.1614, 0.1011

Previews

White Background



This preview shows how the Yxy color 80.6816, 0.3710, 0.3997 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 Yxy color 80.6816, 0.3710, 0.3997 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

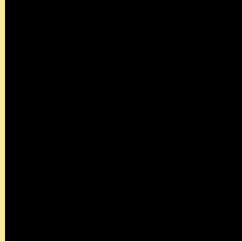
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 80.6816, 0.3710, 0.3997

Background



This preview shows how black text looks on a background with the Yxy color 80.6816, 0.3710, 0.3997.

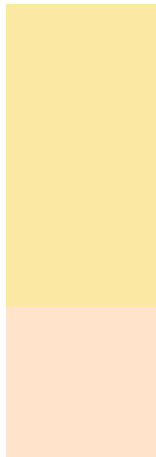


This preview shows how white text looks on a background with the Yxy color 80.6816, 0.3710, 0.3997.

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

80.6816, 0.3710, 0.3997

Protanopia

80.6816, 0.3710, 0.3997

Deuteranopia

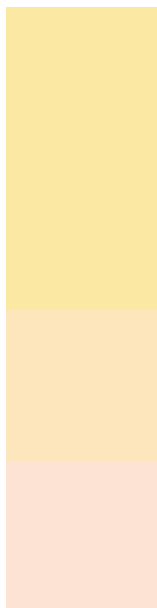
80.4624, 0.3496, 0.3544



Tritanopia

80.7444, 0.3253, 0.3152

Trichromacy



Original Color

80.6816, 0.3710, 0.3997

Protanomaly

80.6816, 0.3710, 0.3997

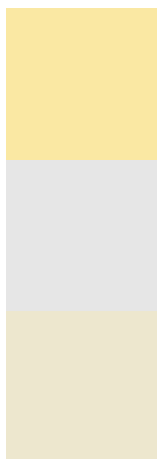
Deuteranomaly

80.5521, 0.3573, 0.3709

Tritanomaly

80.5240, 0.3419, 0.3453

Monochromacy



Original Color

80.6816, 0.3710, 0.3997

Achromatopsia

79.1298, 0.3127, 0.3290

Achromatomaly

79.6126, 0.3331, 0.3553

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.6816, 0.3710, 0.3997 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(250, 232, 163)` looks like.

```
.text, #text, p{  
    color:rgb(250, 232, 163)  
}
```

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(250, 232, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 232, 163) }
```

Border

The CSS property to change the border of an element to Yxy 80.6816, 0.3710, 0.3997 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(250, 232, 163) }
```

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

```
.border{ border-color:rgb(250, 232, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(250, 232, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 232, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 232, 163);  
box-shadow:4px 4px 4px 4px rgb(250, 232,  
163) }
```


Background

The CSS property to change the background color of an element to Yxy 80.6816, 0.3710, 0.3997 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 232, 163) }
```

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

```
.background{ background-color: rgb(250,  
232, 163) }
```

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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