

Converting Colors

$Yxy(80.1661, 0.3689, 0.3999)$

Have a look what the booklet for
Yxy(80.1661, 0.3689, 0.3999)
contains.

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Color

Yxy(80.1317, 0.3688, 0.4003)

Conversions

Conversions Part 1

Format	Color
Hex	F7E8A3
RGB	247, 232, 163
RGB Percent	97%, 91%, 64%
CMY	0.0313, 0.0902, 0.3608
CMYK	0.00, 0.06, 0.34, 0.03
HSL	49°, 84%, 80%
HSV	49°, 34%, 97%
XYZ	73.8261, 80.1317, 46.2214
YIQ	228.6190, 31.0890, -18.2790

Conversions

Conversions Part 2

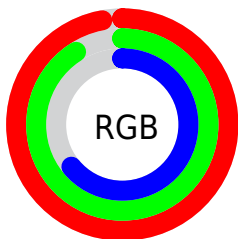
Format	Color
R _Y B	181, 247, 163
Decimal	16246947
CIE Lab	91.74, -4.80, 35.45
CIE LCh	92, 35.778, 97.708
Yxy	80.1317, 0.3688, 0.4003
Android (android.graphics.Color)	4294437027 (0xFF7E8A3)
YUV	228.6190, -32.3502, 16.1201
Hunter-Lab	89.5163, -9.4407, 32.0473

Details

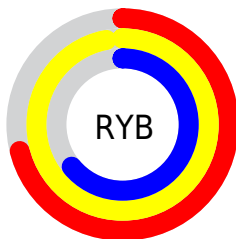
The Yxy color **80.1317, 0.3688, 0.4003** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **46.3394, 0.2535, 0.2457**, and the grayscale version is **78.2872, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.8420, 0.3345, 0.3651**, and **43.5172, 0.3812, 0.4171** is the 20% darker color. If you saturate the color by 10%, you get **76.8827, 0.3863, 0.4207**, and if you desaturate by 10%, it is **83.6232, 0.3514, 0.3791**.

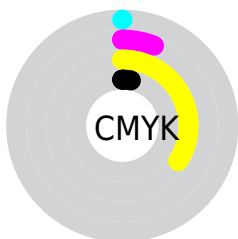
Distribution



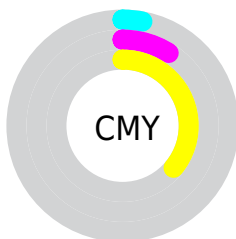
- Red (97%)
- Green (91%)
- Blue (64%)



- Red (71%)
- Yellow (97%)
- Blue (64%)



- Cyan (0%)
- Magenta (6%)
- Yellow (34%)
- Black (3%)





- Cyan (3%)
- Magenta (9%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 80.1317, 0.3688, 0.4003 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 80.1317, 0.3688, 0.4003 by changing the saturation by 10% instead.

 80.1317, 0.3688,
0.4003

 80.1317, 0.3688,
0.4003


495.3766, 0.3439,
0.3680

 59.8267, 0.3742,
0.4074

 133.5509, 0.3604,
0.3893

 43.2790, 0.3806,
0.4161


 167.4339, 0.3571,
0.3849

 30.1041, 0.3884,
0.4267


206.6117, 0.3541,
0.3811

 19.9176, 0.3980,
0.4401

251.4687, 0.3516,
0.3778

 12.3352, 0.4099,
0.4572

302.3893, 0.3493,
0.3749

 6.9724, 0.4244,
0.4793

359.7579, 0.3473,

 3.4448, 0.4548,

0.3723

423.9588, 0.3455,
0.3700

0.5235

■ 1.3681, 0.4567,
0.5433

■ 0.1931, 0.2558,
0.7442

■ 80.1317, 0.3688,
0.4003

■ 80.1317, 0.3688,
0.4003

■ 76.8827, 0.3863,
0.4207

■ 83.6232, 0.3514,
0.3791

■ 73.8547, 0.4033,
0.4392

■ 87.3561, 0.3346,
0.3578

■ 71.0398, 0.4190,
0.4549

■ 91.3430, 0.3188,
0.3371

■ 68.4249, 0.4327,
0.4668

■ 95.1470, 0.3079,
0.3238

■ 65.9950, 0.4437,
0.4741

■ 97.9151, 0.3078,
0.3281

■ 63.7319, 0.4518,
0.4767

■ 98.5153, 0.3078,
0.3290

■ 62.4409, 0.4555,
0.4765

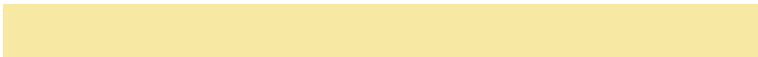
Harmonies

Analogous

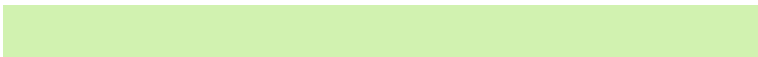
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.1317, 0.3924, 0.3787



80.1317, 0.3688, 0.4003



80.1317, 0.3309, 0.4023

Triad

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



80.1317, 0.3688, 0.4003



80.1317, 0.2379, 0.3023



80.1317, 0.3326, 0.2846

Complementary

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



80.1317, 0.3688, 0.4003



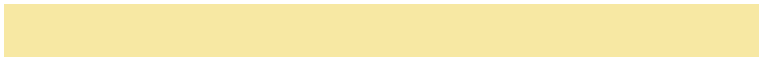
46.3394, 0.2535, 0.2457

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.



80.1317, 0.2904, 0.2661



80.1317, 0.3688, 0.4003



80.1317, 0.2382, 0.2739

Square

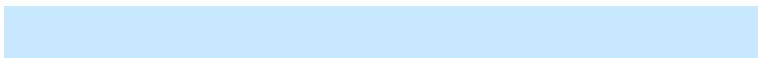
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



80.1317, 0.3688, 0.4003



80.1317, 0.2561, 0.3420



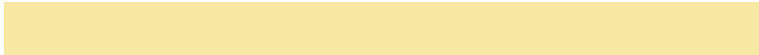
80.1317, 0.2567, 0.2618



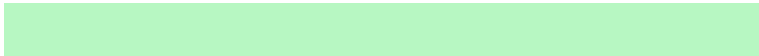
80.1317, 0.3713, 0.3133

Rectangle

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



80.1317, 0.3688, 0.4003



80.1317, 0.3030, 0.3902



80.1317, 0.2567, 0.2618



80.1317, 0.3182, 0.2771

Sweetspot

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



80.1354, 0.3688, 0.4003



95.5944, 0.3281, 0.3494



49.1970, 0.3782, 0.3125



20.3334, 0.3304, 0.3523



0.0000, 0.0000, 0.0000



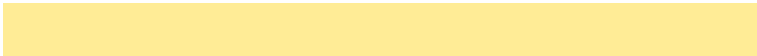
21.4041, 0.3127, 0.3290

Same Dimension

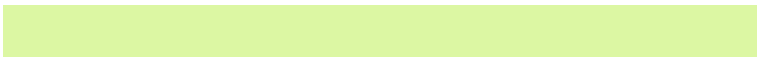
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.1354, 0.3688, 0.4003



83.6589, 0.3812, 0.4148



84.4477, 0.3454, 0.4196



18.7807, 0.3273, 0.3483



33.2116, 0.4548, 0.4771



3.0476, 0.4496, 0.4812

Inverse Universe

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



46.3394, 0.2535, 0.2457



42.1666, 0.2396, 0.2249



43.8025, 0.2705, 0.2323



16.4051, 0.2979, 0.3089



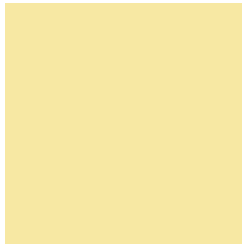
4.6525, 0.1545, 0.0762



0.5396, 0.1602, 0.0967

Previews

White Background



This preview shows how the Yxy color 80.1317, 0.3688, 0.4003 looks on a white background.

Color Contrast Check

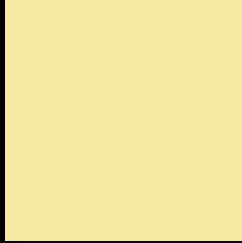
Large Text (above 18pt) WCAG AA × Fail

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 80.1317, 0.3688, 0.4003 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

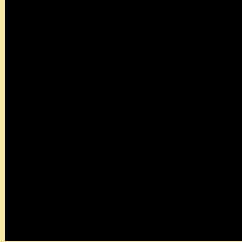
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 80.1317, 0.3688, 0.4003

Background



This preview shows how black text looks on a background with the Yxy color 80.1317, 0.3688, 0.4003.

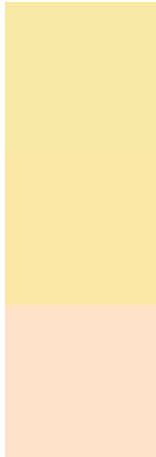


This preview shows how white text looks on a background with the Yxy color 80.1317, 0.3688, 0.4003.

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

80.1317, 0.3688, 0.4003

Protanopia

80.1202, 0.3714, 0.3988

Deuteranopia

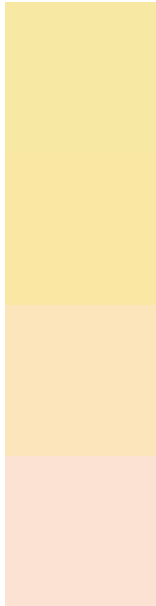
79.8228, 0.3512, 0.3554



Tritanopia

80.2673, 0.3247, 0.3132

Trichromacy



Original Color

80.1317, 0.3688, 0.4003

Protanomaly

79.9359, 0.3706, 0.3990

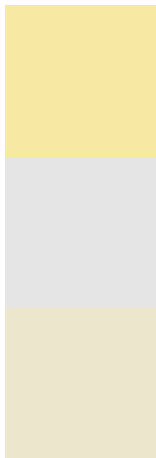
Deuteranomaly

79.7701, 0.3575, 0.3710

Tritanomaly

79.7913, 0.3413, 0.3443

Monochromacy



Original Color

80.1317, 0.3688, 0.4003

Achromatopsia

78.3538, 0.3127, 0.3290

Achromatomaly

78.8343, 0.3332, 0.3554

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.1317, 0.3688, 0.4003 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(247, 232, 163)` looks like.

```
.text, #text, p{  
    color:rgb(247, 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(247, 232, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 232, 163) }
```

Border

The CSS property to change the border of an element to Yxy 80.1317, 0.3688, 0.4003 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(247, 232, 163) }
```

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

```
.border{ border-color:rgb(247, 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(247, 232, 163) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 232, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 232, 163);  
box-shadow:4px 4px 4px 4px rgb(247, 232,  
163) }
```


Background

The CSS property to change the background color of an element to Yxy 80.1317, 0.3688, 0.4003 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 232, 163) }
```

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

```
.background{ background-color: rgb(247,  
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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