

Converting Colors

$Yxy(88.7907, 0.4047, 0.3892)$

Have a look what the booklet for
Yxy(88.7907, 0.4047, 0.3892)
contains.

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Color

Yxy(80.4980, 0.3754, 0.3969)

Conversions

Conversions Part 1

Format	Color
Hex	FFE6A3
RGB	255, 230, 163
RGB Percent	100%, 90%, 64%
CMY	0.0002, 0.0980, 0.3607
CMYK	0.00, 0.10, 0.36, 0.00
HSL	44°, 100%, 82%
HSV	44°, 36%, 100%
XYZ	76.1374, 80.4980, 46.1814
YIQ	229.8370, 36.4070, -15.5370

Conversions

Conversions Part 2

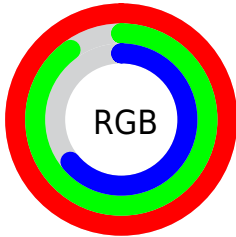
Format	Color
R_{YB}	197, 255, 163
Decimal	16770723
CIE _{Lab}	91.91, -0.76, 35.78
CIE _{LCh}	92, 35.788, 91.214
Yxy	80.4980, 0.3754, 0.3969
Android (android.graphics.Color)	4294960803 (0xFFFFE6A3)
YUV	229.8370, -32.9506, 22.0680
Hunter-Lab	89.7207, -5.5351, 32.2865

Details

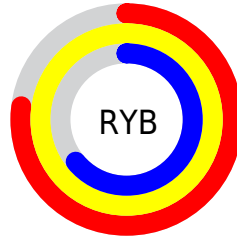
The Yxy color **80.4980, 0.3754, 0.3969** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **50.9527, 0.2509, 0.2500**, and the grayscale version is **79.2318, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.8420, 0.3345, 0.3651**, and **43.6561, 0.3890, 0.4125** is the 20% darker color. If you saturate the color by 10%, you get **75.9043, 0.3949, 0.4152**, and if you desaturate by 10%, it is **85.4361, 0.3565, 0.3778**.

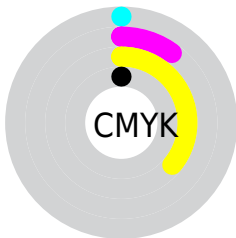
Distribution



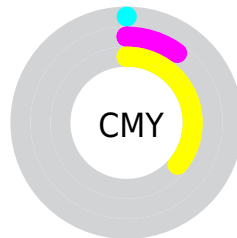
- Red (100%)
- Green (90%)
- Blue (64%)



- Red (77%)
- Yellow (100%)
- Blue (64%)



- Cyan (0%)
- Magenta (10%)
- Yellow (36%)
- Black (0%)





- Cyan (0%)
- Magenta (10%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 80.4980, 0.3754, 0.3969 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 80.4980, 0.3754, 0.3969 by changing the saturation by 10% instead.


 80.4980, 0.3754,
0.3969

 80.4980, 0.3754,
0.3969


496.6095, 0.3474,
0.3664

 60.1282, 0.3815,
0.4035


 134.0657, 0.3659,
0.3866

 43.5220, 0.3888,
0.4115


 168.0324, 0.3622,
0.3825

 30.2949, 0.3977,
0.4212


207.3002, 0.3589,
0.3789

 20.0625, 0.4087,
0.4333

252.2535, 0.3560,
0.3758

 12.4405, 0.4225,
0.4485

303.2767, 0.3535,
0.3731

 7.0444, 0.4396,
0.4677

360.7541, 0.3512,

 3.4899, 0.4741,

0.3706

0.5058

425.0703, 0.3492,
0.3684

■ 1.3925, 0.4826,
0.5174

■ 0.2112, 0.4632,
0.5368

■ 80.4980, 0.3754,
0.3969

■ 80.4980, 0.3754,
0.3969

■ 75.9043, 0.3949,
0.4152

■ 85.4361, 0.3565,
0.3778

■ 71.6309, 0.4144,
0.4317

■ 90.7194, 0.3386,
0.3586

■ 67.6675, 0.4329,
0.4453

■ 96.3627, 0.3221,
0.3399

■ 63.9983, 0.4497,
0.4548

99.9922, 0.3127,
0.3290

■ 60.6051, 0.4637,
0.4596

■ 57.4657, 0.4747,
0.4594

■ 56.2868, 0.4784,
0.4584

Harmonies

Analogous

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



80.4980, 0.3947, 0.3723



80.4980, 0.3754, 0.3969



80.4980, 0.3397, 0.4038

Triad

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



80.4980, 0.3754, 0.3969



80.4980, 0.2404, 0.3103



80.4980, 0.3232, 0.2796

Complementary

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



80.4980, 0.3754, 0.3969



50.9527, 0.2509, 0.2500

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.



80.4980, 0.2821, 0.2640



80.4980, 0.3754, 0.3969



80.4980, 0.2366, 0.2788

Square

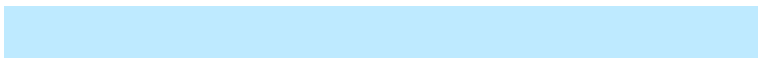
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



80.4980, 0.3754, 0.3969



80.4980, 0.2623, 0.3509



80.4980, 0.2513, 0.2631



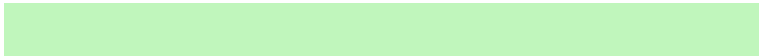
80.4980, 0.3638, 0.3065

Rectangle

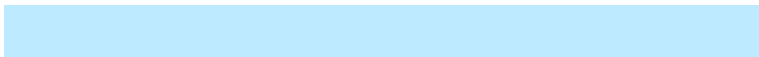
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



80.4980, 0.3754, 0.3969



80.4980, 0.3120, 0.3952



80.4980, 0.2513, 0.2631



80.4980, 0.3090, 0.2729

Sweetspot

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



80.5017, 0.3754, 0.3969



93.5646, 0.3301, 0.3490



51.1291, 0.3751, 0.3019



19.8635, 0.3323, 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.



80.5017, 0.3754, 0.3969



77.3051, 0.3889, 0.4098



91.8074, 0.3535, 0.4235



20.2083, 0.3276, 0.3462



29.6826, 0.4772, 0.4593



3.0716, 0.4690, 0.4658

Inverse Universe

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



50.9527, 0.2509, 0.2500



43.9674, 0.2378, 0.2316



43.4768, 0.2605, 0.2236



18.1793, 0.2979, 0.3112



6.2175, 0.1591, 0.0929



0.7773, 0.1651, 0.1142

Previews

White Background



This preview shows how the Yxy color 80.4980, 0.3754, 0.3969 looks on a white background.

Color Contrast Check

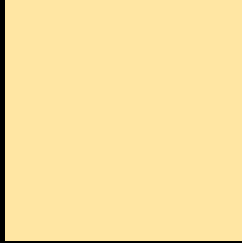
Large Text (above 18pt) WCAG AA × Fail

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 80.4980, 0.3754, 0.3969 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

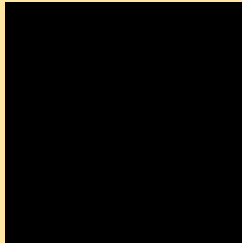
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 80.4980, 0.3754, 0.3969

Background



This preview shows how black text looks on a background with the Yxy color 80.4980, 0.3754, 0.3969.



This preview shows how white text looks on a background with the Yxy color 80.4980, 0.3754, 0.3969.

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

80.4980, 0.3754, 0.3969

Protanopia

80.7176, 0.3704, 0.3987

Deuteranopia

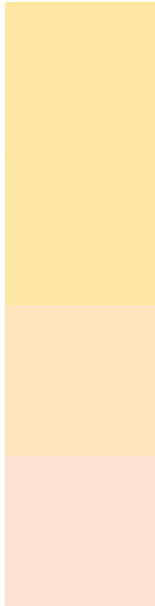
80.4624, 0.3496, 0.3544



Tritanopia

80.6274, 0.3266, 0.3172

Trichromacy



Original Color

80.4980, 0.3754, 0.3969

Protanomaly

80.5276, 0.3722, 0.3974

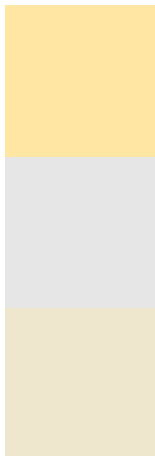
Deuteranomaly

80.3776, 0.3590, 0.3697

Tritanomaly

80.2562, 0.3449, 0.3462

Monochromacy



Original Color

80.4980, 0.3754, 0.3969

Achromatopsia

79.1298, 0.3127, 0.3290

Achromatomaly

79.4006, 0.3347, 0.3542

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.4980, 0.3754, 0.3969 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, 230, 163)` looks like.

```
.text, #text, p{  
    color:rgb(255, 230, 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(255, 230, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 230, 163) }
```

Border

The CSS property to change the border of an element to Yxy 80.4980, 0.3754, 0.3969 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, 230, 163) }
```

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

```
.border{ border-color:rgb(255, 230, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 230, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 230, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 230, 163);  
box-shadow:4px 4px 4px 4px rgb(255, 230,  
163) }
```


Background

The CSS property to change the background color of an element to Yxy 80.4980, 0.3754, 0.3969 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 230, 163) }
```

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

```
.background{ background-color: rgb(255,  
230, 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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