

Converting Colors

$Yxy(80.5886, 0.4092, 0.4132)$

Have a look what the booklet for
Yxy(80.5886, 0.4092, 0.4132)
contains.

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Color

Yxy(76.8880, 0.3950, 0.4183)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | FFE188 |
| RGB | 255, 225, 136 |
| RGB Percent | 100%, 88%, 53% |
| CMY | 0.0001, 0.1176, 0.4665 |
| CMYK | 0.00, 0.12, 0.47, 0.00 |
| HSL | 45°, 100%, 77% |
| HSV | 45°, 47%, 100% |
| XYZ | 72.6052, 76.8880, 34.3175 |
| YIQ | 223.8240, 46.4490, -21.3190 |

Conversions

Conversions Part 2

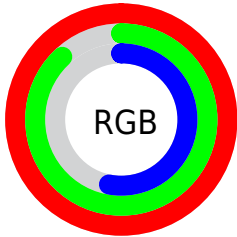
| Format | Color |
|-------------------------------------|--------------------------------|
| R_{YB} | 176, 255, 136 |
| Decimal | 16769416 |
| CIE _{Lab} | 90.27, -0.99, 47.12 |
| CIE _{LCh} | 90, 47.127, 91.208 |
| Yxy | 76.8880, 0.3950, 0.4183 |
| Android (android.graphics.Color) | 4294959496 (0xFFFFE188) |
| YUV | 223.8240, -43.2972, 27.3414 |
| Hunter-Lab | 87.6858, -5.6494, 38.1758 |

Details

The Yxy color **76.8880, 0.3950, 0.4183** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **39.7274, 0.2304, 0.2187**, and the grayscale version is **74.7017, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.5416, 0.3508, 0.3919**, and **41.1253, 0.4115, 0.4368** is the 20% darker color. If you saturate the color by 10%, you get **72.8421, 0.4138, 0.4350**, and if you desaturate by 10%, it is **81.2442, 0.3759, 0.3997**.

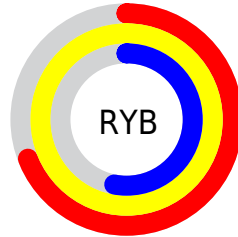
Distribution



Red (100%)

Green (88%)

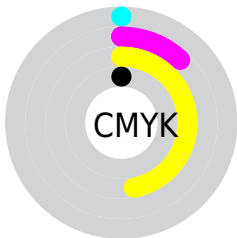
Blue (53%)



Red (69%)

Yellow (100%)

Blue (53%)

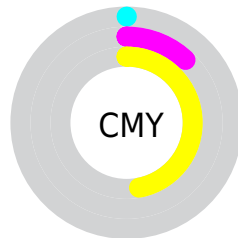


Cyan (0%)

Magenta (12%)

Yellow (47%)

Black (0%)



Cyan (0%)


Magenta (12%)


Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 76.8880, 0.3950, 0.4183 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 76.8880, 0.3950, 0.4183 by changing the saturation by 10% instead.


 76.8880, 0.3950,
0.4183


 76.8880, 0.3950,
0.4183


484.3821, 0.3586,
0.3786


 57.1610, 0.4027,
0.4267


 128.9814, 0.3828,
0.4050

 41.1345, 0.4117,
0.4367


 162.1165, 0.3780,
0.3997

 28.4242, 0.4224,
0.4485


 200.4897, 0.3737,
0.3950

 18.6457, 0.4351,
0.4626

244.4856, 0.3699,
0.3909

 11.4145, 0.4499,
0.4792

294.4883, 0.3666,
0.3873

 6.3464, 0.4700,
0.5020

350.8824, 0.3636,

 3.0568, 0.4825,

0.3841

0.5175

414.0522, 0.3610,
0.3812

■ 1.1615, 0.4807,
0.5193

■ 0.0299, 0.1221,
0.8779

■ 76.8880, 0.3950,
0.4183

■ 76.8880, 0.3950,
0.4183

■ 72.8421, 0.4138,
0.4350

■ 81.2442, 0.3759,
0.3997

■ 69.0819, 0.4316,
0.4487

■ 85.9126, 0.3572,
0.3801

■ 65.5954, 0.4474,
0.4583

■ 90.9083, 0.3395,
0.3605

■ 62.3647, 0.4605,
0.4631

■ 96.2422, 0.3230,
0.3413

■ 59.3675, 0.4705,
0.4630

99.9961, 0.3127,
0.3290

■ 58.4049, 0.4734,
0.4623

Harmonies

Analogous

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



76.8880, 0.4219, 0.3839



76.8880, 0.3950, 0.4183



76.8880, 0.3471, 0.4305

Triad

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



76.8880, 0.3950, 0.4183



76.8880, 0.2181, 0.3025



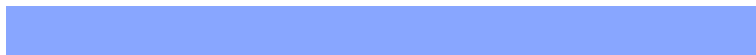
76.8880, 0.3260, 0.2648

Complementary

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



76.8880, 0.3950, 0.4183



39.7274, 0.2304, 0.2187

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.



76.8880, 0.2717, 0.2446



76.8880, 0.3950, 0.4183



76.8880, 0.2136, 0.2618

Square

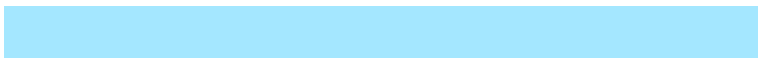
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



76.8880, 0.3950, 0.4183



76.8880, 0.2457, 0.3580



76.8880, 0.2322, 0.2427



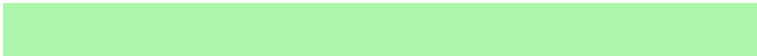
76.8880, 0.3810, 0.2988

Rectangle

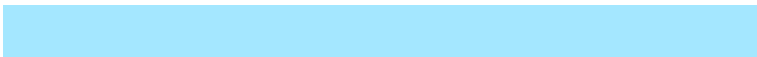
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



76.8880, 0.3950, 0.4183



76.8880, 0.3105, 0.4197



76.8880, 0.2322, 0.2427



76.8880, 0.3070, 0.2562

Sweetspot

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



76.8916, 0.3950, 0.4183



92.3054, 0.3350, 0.3553



41.6911, 0.4056, 0.2962



19.5162, 0.3386, 0.3595



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.



76.8916, 0.3950, 0.4183



73.1098, 0.4126, 0.4340



89.6527, 0.3626, 0.4518



20.2701, 0.3275, 0.3467



30.7740, 0.4723, 0.4632



3.1702, 0.4649, 0.4690

Inverse Universe

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



39.7274, 0.2304, 0.2187



31.9130, 0.2129, 0.1920



32.7056, 0.2428, 0.1885



18.1212, 0.2979, 0.3107



5.9015, 0.1580, 0.0889



0.7397, 0.1638, 0.1097

Previews

White Background



This preview shows how the Yxy color 76.8880, 0.3950, 0.4183 looks on a white background.

Color Contrast Check

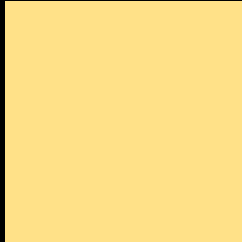
Large Text (above 18pt) WCAG AA × Fail

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 76.8880, 0.3950, 0.4183 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 76.8880, 0.3950, 0.4183

Background



This preview shows how black text looks on a background with the Yxy color 76.8880, 0.3950, 0.4183.



This preview shows how white text looks on a background with the Yxy color 76.8880, 0.3950, 0.4183.

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

76.8880, 0.3950, 0.4183

Protanopia

76.7008, 0.3881, 0.4211

Deuteranopia

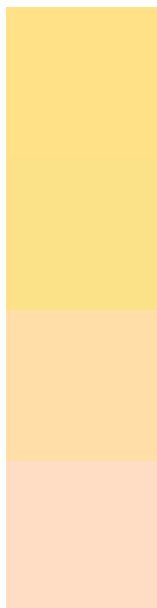
77.0053, 0.3627, 0.3669



Tritanopia

76.5989, 0.3315, 0.3161

Trichromacy



Original Color

76.8880, 0.3950, 0.4183

Protanomaly

76.7081, 0.3909, 0.4194

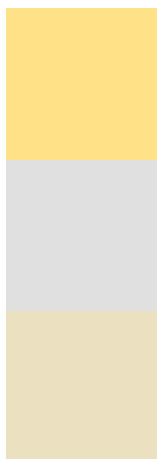
Deuteranomaly

76.8254, 0.3751, 0.3863

Tritanomaly

76.4319, 0.3553, 0.3536

Monochromacy



Original Color

76.8880, 0.3950, 0.4183

Achromatopsia

74.5404, 0.3127, 0.3290

Achromatomaly

74.7792, 0.3422, 0.3634

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.8880, 0.3950, 0.4183 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, 225, 136)` looks like.

```
.text, #text, p{  
    color:rgb(255, 225, 136)  
}
```

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, 225, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 225, 136) }
```

Border

The CSS property to change the border of an element to Yxy 76.8880, 0.3950, 0.4183 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, 225, 136) }
```

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

```
.border{ border-color:rgb(255, 225, 136) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 225, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 225, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 225, 136);  
box-shadow:4px 4px 4px 4px rgb(255, 225,  
136) }
```


Background

The CSS property to change the background color of an element to Yxy 76.8880, 0.3950, 0.4183 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 225, 136) }
```

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

```
.background{ background-color: rgb(255,  
225, 136) }
```

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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