

Converting Colors

$Y_{xy}(78.1073, 0.4068, 0.4262)$

Have a look what the booklet for
Yxy(78.1073, 0.4068, 0.4262)
contains.

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Color

Yxy(76.5911, 0.4018, 0.4282)

Conversions

Conversions Part 1

Format	Color
Hex	FFE17D
RGB	255, 225, 125
RGB Percent	100%, 88%, 49%
CMY	0.0000, 0.1176, 0.5097
CMYK	0.00, 0.12, 0.51, 0.00
HSL	46°, 100%, 75%
HSV	46°, 51%, 100%
XYZ	71.8690, 76.5911, 30.4075
YIQ	222.5700, 49.9800, -24.7400

Conversions

Conversions Part 2

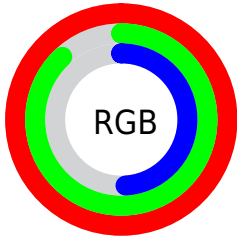
Format	Color
RYB	164, 255, 125
Decimal	16769405
CIELab	90.13, -1.95, 52.26
CIELCh	90, 52.296, 92.141
Yxy	76.5911, 0.4018, 0.4282
Android (android.graphics.Color)	4294959485 (0xFFFFE17D)
YUV	222.5700, -48.1020, 28.4411
Hunter-Lab	87.5163, -6.5682, 40.6612

Details

The Yxy color **76.5911, 0.4018, 0.4282** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **35.0343, 0.2215, 0.2029**, and the grayscale version is **73.7957, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.0753, 0.3573, 0.4028**, and **40.9663, 0.4190, 0.4477** is the 20% darker color. If you saturate the color by 10%, you get **72.8964, 0.4196, 0.4441**, and if you desaturate by 10%, it is **80.5693, 0.3833, 0.4099**.

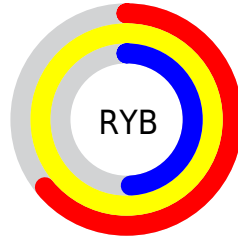
Distribution



Red (100%)

Green (88%)

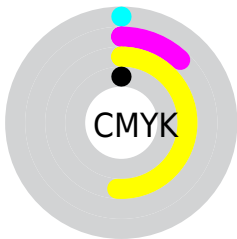
Blue (49%)



Red (64%)

Yellow (100%)

Blue (49%)

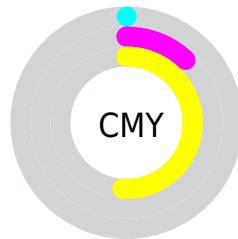


Cyan (0%)

Magenta (12%)

Yellow (51%)

Black (0%)



Cyan (0%)


Magenta (12%)


Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 76.5911, 0.4018, 0.4282 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 76.5911, 0.4018, 0.4282 by changing the saturation by 10% instead.


 76.5911, 0.4018,
0.4282


 76.5911, 0.4018,
0.4282


483.3687, 0.3628,
0.3843

 56.9173, 0.4098,
0.4373


 128.5621, 0.3889,
0.4136

 40.9389, 0.4192,
0.4480


 161.6282, 0.3837,
0.4078

 28.2713, 0.4300,
0.4606


 199.9271, 0.3791,
0.4026

 18.5303, 0.4425,
0.4753

243.8433, 0.3751,
0.3981

 11.3314, 0.4561,
0.4917

293.7612, 0.3715,
0.3941

 6.2902, 0.4799,
0.5201

350.0651, 0.3683,

 3.0223, 0.4778,

0.3905

0.5222

413.1395, 0.3654,
0.3872

■ 1.1434, 0.4742,
0.5258

■ 0.0147, 0.0000,
1.0000

■ 76.5911, 0.4018,
0.4282

■ 76.5911, 0.4018,
0.4282

■ 72.8964, 0.4196,
0.4441

■ 80.5693, 0.3833,
0.4099

■ 69.4612, 0.4358,
0.4564

■ 84.8339, 0.3647,
0.3902

■ 66.2727, 0.4497,
0.4644

■ 89.4000, 0.3468,
0.3700

■ 63.3118, 0.4606,
0.4674

■ 94.2784, 0.3299,
0.3500

■ 60.8067, 0.4681,
0.4665

99.4792, 0.3142,
0.3308

100.0000, 0.3127,
0.3290

Harmonies

Analogous

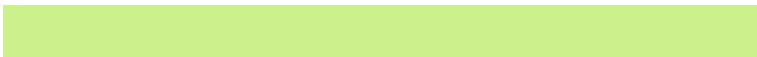
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



76.5911, 0.4331, 0.3898



76.5911, 0.4018, 0.4282



76.5911, 0.3482, 0.4422

Triad

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



76.5911, 0.4018, 0.4282



76.5911, 0.2081, 0.2972



76.5911, 0.3291, 0.2594

Complementary

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



76.5911, 0.4018, 0.4282



35.0343, 0.2215, 0.2029

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.



76.5911, 0.2688, 0.2369



76.5911, 0.4018, 0.4282



76.5911, 0.2043, 0.2534

Square

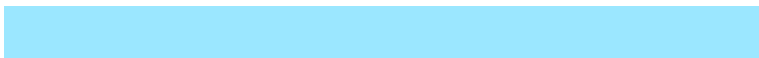
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



76.5911, 0.4018, 0.4282



76.5911, 0.2372, 0.3591



76.5911, 0.2251, 0.2339



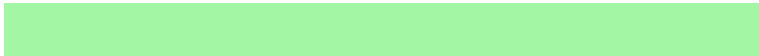
76.5911, 0.3903, 0.2968

Rectangle

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



76.5911, 0.4018, 0.4282



76.5911, 0.3077, 0.4299



76.5911, 0.2251, 0.2339



76.5911, 0.3079, 0.2500

Sweetspot

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



76.5944, 0.4018, 0.4282



92.2731, 0.3366, 0.3580



38.3140, 0.4242, 0.2981



19.5303, 0.3401, 0.3622



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.



76.5944, 0.4018, 0.4282



72.8849, 0.4197, 0.4441



88.2705, 0.3633, 0.4642



20.3380, 0.3275, 0.3472



32.0108, 0.4671, 0.4673



3.2814, 0.4605, 0.4725

Inverse Universe

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



35.0343, 0.2215, 0.2029



27.3237, 0.2029, 0.1735



29.3370, 0.2380, 0.1753



18.0579, 0.2979, 0.3102



5.5843, 0.1569, 0.0848



0.7009, 0.1625, 0.1050

Previews

White Background



This preview shows how the Yxy color 76.5911, 0.4018, 0.4282 looks on a white background.

Color Contrast Check

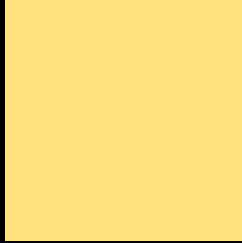
Large Text (above 18pt) WCAG AA × Fail

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 76.5911, 0.4018, 0.4282 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 76.5911, 0.4018, 0.4282

Background



This preview shows how black text looks on a background with the Yxy color 76.5911, 0.4018, 0.4282.



This preview shows how white text looks on a background with the Yxy color 76.5911, 0.4018, 0.4282.

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

76.5911, 0.4018, 0.4282

Protanopia

76.5843, 0.3956, 0.4310

Deuteranopia

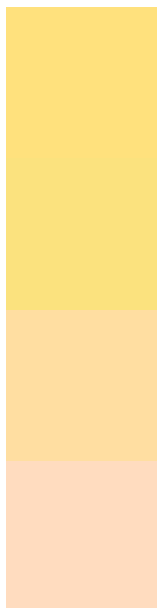
76.3503, 0.3651, 0.3690



Tritanopia

76.5429, 0.3322, 0.3171

Trichromacy



Original Color

76.5911, 0.4018, 0.4282

Protanomaly

76.4083, 0.3976, 0.4295

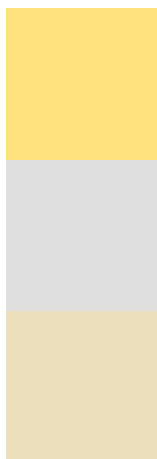
Deuteranomaly

76.0758, 0.3796, 0.3914

Tritanomaly

76.2080, 0.3589, 0.3587

Monochromacy



Original Color

76.5911, 0.4018, 0.4282

Achromatopsia

73.7910, 0.3127, 0.3290

Achromatomaly

74.5613, 0.3457, 0.3688

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.5911, 0.4018, 0.4282 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, 125)` looks like.

```
.text, #text, p{  
    color:rgb(255, 225, 125)  
}
```

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, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 225, 125) }
```

Border

The CSS property to change the border of an element to Yxy 76.5911, 0.4018, 0.4282 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, 125) }
```

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

```
.border{ border-color:rgb(255, 225, 125) }
```

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, 125)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 225, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 225, 125);  
box-shadow:4px 4px 4px 4px rgb(255, 225,  
125) }
```


Background

The CSS property to change the background color of an element to Yxy 76.5911, 0.4018, 0.4282 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, 125) }
```

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

```
.background{ background-color: rgb(255,  
225, 125) }
```

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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