

Converting Colors

$Yxy(77.0792, 0.4074, 0.4387)$

Have a look what the booklet for
Yxy(77.0792, 0.4074, 0.4387)
contains.

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Color

Yxy(76.8676, 0.4077, 0.4384)

Conversions

Conversions Part 1

Format	Color
Hex	FFE272
RGB	255, 226, 114
RGB Percent	100%, 89%, 45%
CMY	0.0000, 0.1138, 0.5530
CMYK	0.00, 0.11, 0.55, 0.00
HSL	48°, 100%, 72%
HSV	48°, 55%, 100%
XYZ	71.4848, 76.8676, 26.9843
YIQ	221.9030, 53.2360, -28.6840

Conversions

Conversions Part 2

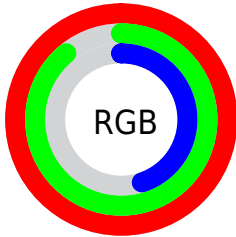
Format	Color
R_{YB}	151, 255, 114
Decimal	16769650
CIE _{Lab}	90.26, -3.32, 57.58
CIE _{LCh}	90, 57.677, 93.296
Yxy	76.8676, 0.4077, 0.4384
Android (android.graphics.Color)	4294959730 (0xFFFFE272)
YUV	221.9030, -53.1962, 29.0261
Hunter-Lab	87.6742, -7.8906, 43.1237

Details

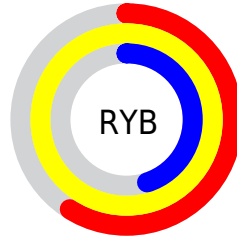
The Yxy color **76.8676, 0.4077, 0.4384** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **30.4402, 0.2124, 0.1857**, and the grayscale version is **73.3242, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.6446, 0.3638, 0.4134**, and **41.1985, 0.4254, 0.4592** is the 20% darker color. If you saturate the color by 10%, you get **73.5519, 0.4240, 0.4533**, and if you desaturate by 10%, it is **80.4234, 0.3900, 0.4206**.

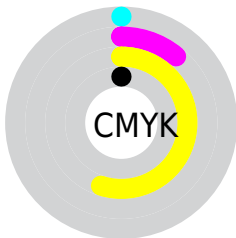
Distribution



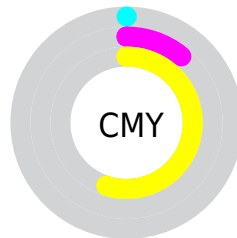
- Red (100%)
- Green (89%)
- Blue (45%)



- Red (59%)
- Yellow (100%)
- Blue (45%)



- Cyan (0%)
- Magenta (11%)
- Yellow (55%)
- Black (0%)





- Cyan (0%)
- Magenta (11%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 76.8676, 0.4077, 0.4384 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 76.8676, 0.4077, 0.4384 by changing the saturation by 10% instead.


 76.8676, 0.4077,
0.4384


 76.8676, 0.4077,
0.4384


484.3125, 0.3667,
0.3904


 57.1442, 0.4159,
0.4482

 128.9526, 0.3944,
0.4226

 41.1210, 0.4252,
0.4596


 162.0829, 0.3889,
0.4162

 28.4137, 0.4359,
0.4727


 200.4511, 0.3841,
0.4105

 18.6377, 0.4476,
0.4877

244.4414, 0.3798,
0.4056

 11.4088, 0.4596,
0.5039

294.4384, 0.3760,
0.4011

 6.3425, 0.4747,
0.5253

350.8262, 0.3726,

 3.0544, 0.4712,

0.3972

0.5288

413.9895, 0.3695,
0.3936

■ 1.1602, 0.4651,
0.5349

■ 0.0289, 0.0000,
1.0000

■ 76.8676, 0.4077,
0.4384

■ 76.8676, 0.4077,
0.4384

■ 73.5519, 0.4240,
0.4533

■ 80.4234, 0.3900,
0.4206

■ 70.4751, 0.4384,
0.4642

■ 84.2459, 0.3720,
0.4009

■ 67.6160, 0.4501,
0.4704

■ 88.3422, 0.3541,
0.3803

■ 64.9538, 0.4587,
0.4719

■ 92.7233, 0.3369,
0.3596

63.7566, 0.4620,
0.4714

97.3994, 0.3208,
0.3393

100.0000, 0.3127,
0.3290

Harmonies

Analogous

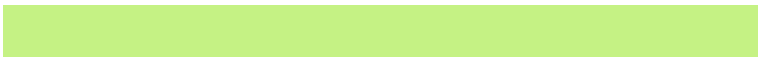
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



76.8676, 0.4439, 0.3960



76.8676, 0.4077, 0.4384



76.8676, 0.3481, 0.4541

Triad

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



76.8676, 0.4077, 0.4384



76.8676, 0.1981, 0.2909



76.8676, 0.3332, 0.2546

Complementary

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



76.8676, 0.4077, 0.4384



30.4402, 0.2124, 0.1857

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.



76.8676, 0.2667, 0.2296



76.8676, 0.4077, 0.4384



76.8676, 0.1952, 0.2446

Square

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



76.8676, 0.4077, 0.4384



76.8676, 0.2281, 0.3592



76.8676, 0.2186, 0.2251



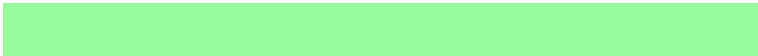
76.8676, 0.4004, 0.2953

Rectangle

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



76.8676, 0.4077, 0.4384



76.8676, 0.3038, 0.4399



76.8676, 0.2186, 0.2251



76.8676, 0.3098, 0.2442

Sweetspot

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



76.8631, 0.4077, 0.4384



91.9575, 0.3398, 0.3631



35.3221, 0.4423, 0.2985



19.4914, 0.3432, 0.3672



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.



76.8631, 0.4077, 0.4384



73.3287, 0.4251, 0.4542



87.1888, 0.3647, 0.4758



20.4187, 0.3274, 0.3478



33.5353, 0.4612, 0.4720



3.4176, 0.4554, 0.4766

Inverse Universe

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



30.4402, 0.2124, 0.1857



22.9848, 0.1930, 0.1539



26.1162, 0.2319, 0.1620



17.9829, 0.2979, 0.3095



5.2462, 0.1557, 0.0803



0.6581, 0.1610, 0.0996

Previews

White Background



This preview shows how the Yxy color 76.8676, 0.4077, 0.4384 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 76.8676, 0.4077, 0.4384 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 76.8676, 0.4077, 0.4384

Background



This preview shows how black text looks on a background with the Yxy color 76.8676, 0.4077, 0.4384.



This preview shows how white text looks on a background with the Yxy color 76.8676, 0.4077, 0.4384.

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

76.8676, 0.4077, 0.4384

Protanopia

76.6623, 0.4040, 0.4407

Deuteranopia

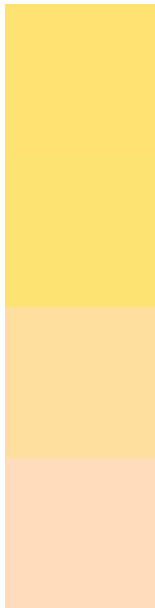
76.8800, 0.3648, 0.3700



Tritanopia

76.5429, 0.3322, 0.3171

Trichromacy



Original Color

76.8676, 0.4077, 0.4384

Protanomaly

76.8485, 0.4048, 0.4403

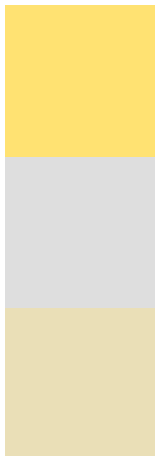
Deuteranomaly

76.4697, 0.3820, 0.3963

Tritanomaly

76.0343, 0.3618, 0.3629

Monochromacy



Original Color

76.8676, 0.4077, 0.4384

Achromatopsia

73.0461, 0.3127, 0.3290

Achromatomaly

73.6867, 0.3479, 0.3723

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.8676, 0.4077, 0.4384 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, 226, 114)` looks like.

```
.text, #text, p{  
    color:rgb(255, 226, 114)  
}
```

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, 226, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 226, 114) }
```

Border

The CSS property to change the border of an element to Yxy 76.8676, 0.4077, 0.4384 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, 226, 114) }
```

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

```
.border{ border-color:rgb(255, 226, 114) }
```

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

Here you see how a box with a 4 pixel rgb(255, 226, 114) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 226, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 226, 114);  
box-shadow:4px 4px 4px 4px rgb(255, 226,  
114) }
```


Background

The CSS property to change the background color of an element to Yxy 76.8676, 0.4077, 0.4384 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 226, 114) }
```

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

```
.background{ background-color: rgb(255,  
226, 114) }
```

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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