

Converting Colors

$Yxy(83.9367, 0.4228, 0.4135)$

Have a look what the booklet for
Yxy(83.9367, 0.4228, 0.4135)
contains.

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Color

Yxy(76.7491, 0.3982, 0.4229)

Conversions

Conversions Part 1

Format	Color
Hex	FFE183
RGB	255, 225, 131
RGB Percent	100%, 88%, 51%
CMY	0.0000, 0.1176, 0.4864
CMYK	0.00, 0.12, 0.49, 0.00
HSL	45°, 100%, 76%
HSV	45°, 49%, 100%
XYZ	72.2665, 76.7491, 32.4673
YIQ	223.2540, 48.0540, -22.8740

Conversions

Conversions Part 2

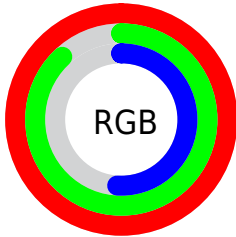
Format	Color
R_{YB}	171, 255, 131
Decimal	16769411
CIE Lab	90.21, -1.43, 49.50
CIE LCh	90, 49.518, 91.654
Yxy	76.7491, 0.3982, 0.4229
Android (android.graphics.Color)	4294959491 (0xFFFFE183)
YUV	223.2540, -45.4812, 27.8412
Hunter-Lab	87.6066, -6.0672, 39.3515

Details

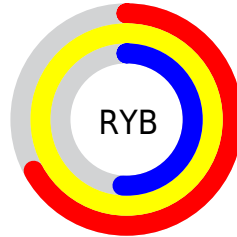
The Yxy color **76.7491, 0.3982, 0.4229** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **37.5233, 0.2263, 0.2115**, and the grayscale version is **74.2830, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.3252, 0.3538, 0.3969**, and **41.0497, 0.4150, 0.4419** is the 20% darker color. If you saturate the color by 10%, you get **72.8652, 0.4166, 0.4393**, and if you desaturate by 10%, it is **80.9224, 0.3793, 0.4044**.

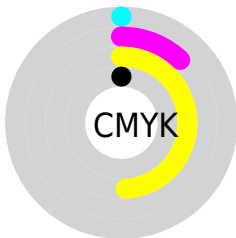
Distribution



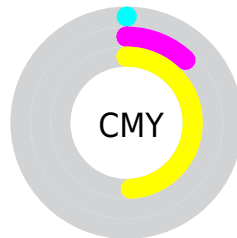
- Red (100%)
- Green (88%)
- Blue (51%)



- Red (67%)
- Yellow (100%)
- Blue (51%)



- Cyan (0%)
- Magenta (12%)
- Yellow (49%)
- Black (0%)




- Cyan (0%)
- Magenta (12%)
- Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 76.7491, 0.3982, 0.4229 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 76.7491, 0.3982, 0.4229 by changing the saturation by 10% instead.

 76.7491, 0.3982,
0.4229


 76.7491, 0.3982,
0.4229


483.9082, 0.3605,
0.3812


 57.0470, 0.4060,
0.4316


 128.7852, 0.3857,
0.4090

 41.0430, 0.4152,
0.4420


 161.8881, 0.3806,
0.4034

 28.3527, 0.4261,
0.4542


 200.2266, 0.3762,
0.3985

 18.5917, 0.4387,
0.4686

244.1851, 0.3723,
0.3942

 11.3756, 0.4530,
0.4851

294.1482, 0.3689,
0.3904

 6.3201, 0.4749,
0.5105

350.5001, 0.3658,

 3.0407, 0.4804,

0.3870

0.5196

413.6253, 0.3630,
0.3840

■ 1.1530, 0.4778,
0.5222

■ 0.0228, 0.0000,
1.0000

■ 76.7491, 0.3982,
0.4229

■ 76.7491, 0.3982,
0.4229

■ 72.8652, 0.4166,
0.4393

■ 80.9224, 0.3793,
0.4044

■ 69.2586, 0.4337,
0.4524

■ 85.3995, 0.3607,
0.3847

■ 65.9128, 0.4486,
0.4612

■ 90.1915, 0.3428,
0.3648

■ 62.8094, 0.4607,
0.4652

■ 95.3092, 0.3261,
0.3452

■ 59.9226, 0.4697,
0.4646

100.0000, 0.3127,
0.3290

■ 59.5418, 0.4709,
0.4643

Harmonies

Analogous

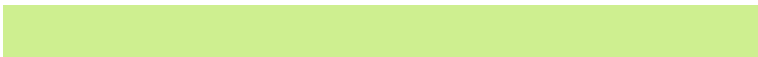
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



76.7491, 0.4271, 0.3867



76.7491, 0.3982, 0.4229



76.7491, 0.3476, 0.4359

Triad

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



76.7491, 0.3982, 0.4229



76.7491, 0.2134, 0.3001



76.7491, 0.3275, 0.2623

Complementary

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



76.7491, 0.3982, 0.4229



37.5233, 0.2263, 0.2115

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.



76.7491, 0.2704, 0.2410



76.7491, 0.3982, 0.4229



76.7491, 0.2093, 0.2579

Square

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



76.7491, 0.3982, 0.4229



76.7491, 0.2418, 0.3586



76.7491, 0.2289, 0.2386



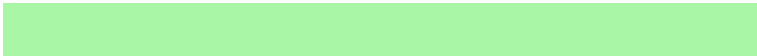
76.7491, 0.3853, 0.2979

Rectangle

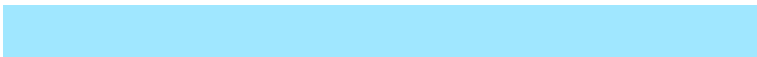
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



76.7491, 0.3982, 0.4229



76.7491, 0.3092, 0.4244



76.7491, 0.2289, 0.2386



76.7491, 0.3074, 0.2533

Sweetspot

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



76.7485, 0.3982, 0.4229



92.0151, 0.3366, 0.3576



40.0932, 0.4141, 0.2971



19.4677, 0.3402, 0.3618



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.



76.7485, 0.3982, 0.4229



73.1046, 0.4154, 0.4383



89.0042, 0.3629, 0.4576



20.3024, 0.3275, 0.3469



31.3566, 0.4698, 0.4651



3.2226, 0.4628, 0.4707

Inverse Universe

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



37.5233, 0.2263, 0.2115



29.9592, 0.2088, 0.1844



31.1245, 0.2406, 0.1824



18.0911, 0.2979, 0.3104



5.7469, 0.1575, 0.0869



0.7210, 0.1632, 0.1074

Previews

White Background



This preview shows how the Yxy color 76.7491, 0.3982, 0.4229 looks on a white background.

Color Contrast Check

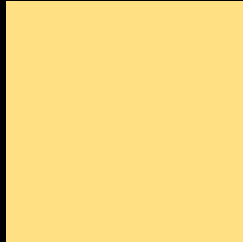
Large Text (above 18pt) WCAG AA × Fail

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 76.7491, 0.3982, 0.4229 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 76.7491, 0.3982, 0.4229

Background



This preview shows how black text looks on a background with the Yxy color 76.7491, 0.3982, 0.4229.



This preview shows how white text looks on a background with the Yxy color 76.7491, 0.3982, 0.4229.

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

76.7491, 0.3982, 0.4229

Protanopia

76.7439, 0.3920, 0.4255

Deuteranopia

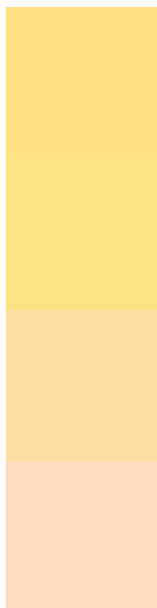
76.9214, 0.3641, 0.3690



Tritanopia

76.5429, 0.3322, 0.3171

Trichromacy



Original Color

76.7491, 0.3982, 0.4229

Protanomaly

76.5679, 0.3940, 0.4240

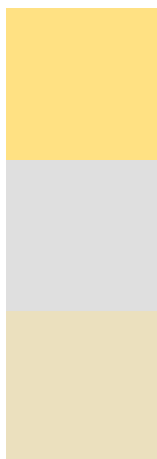
Deuteranomaly

76.7157, 0.3772, 0.3893

Tritanomaly

76.2967, 0.3574, 0.3567

Monochromacy



Original Color

76.7491, 0.3982, 0.4229

Achromatopsia

73.7910, 0.3127, 0.3290

Achromatomaly

74.6912, 0.3436, 0.3655

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.7491, 0.3982, 0.4229 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, 131)` looks like.

```
.text, #text, p{  
    color:rgb(255, 225, 131)  
}
```

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, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 225, 131) }
```

Border

The CSS property to change the border of an element to Yxy 76.7491, 0.3982, 0.4229 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, 131) }
```

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

```
.border{ border-color:rgb(255, 225, 131) }
```

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, 131) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 225, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 225, 131);  
box-shadow:4px 4px 4px 4px rgb(255, 225,  
131) }
```


Background

The CSS property to change the background color of an element to Yxy 76.7491, 0.3982, 0.4229 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, 131) }
```

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

```
.background{ background-color: rgb(255,  
225, 131) }
```

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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