

Converting Colors

$Y_{xy}(86.3278, 0.4352, 0.4091)$

Have a look what the booklet for
Yxy(86.3278, 0.4352, 0.4091)
contains.

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Color

Yxy(76.1830, 0.3993, 0.4229)

Conversions

Conversions Part 1

Format	Color
Hex	FFE082
RGB	255, 224, 130
RGB Percent	100%, 88%, 51%
CMY	0.0000, 0.1216, 0.4902
CMYK	0.00, 0.12, 0.49, 0.00
HSL	45°, 100%, 75%
HSV	45°, 49%, 100%
XYZ	71.9316, 76.1830, 32.0296
YIQ	222.5530, 48.6500, -22.6620

Conversions

Conversions Part 2

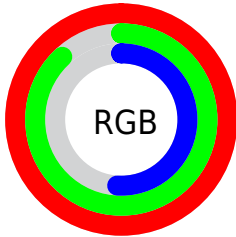
Format	Color
R _Y B	171, 255, 130
Decimal	16769154
CIE Lab	89.94, -1.01, 49.65
CIE LCh	90, 49.660, 91.162
Yxy	76.1830, 0.3993, 0.4229
Android (android.graphics.Color)	4294959234 (0xFFFE082)
YUV	222.5530, -45.6286, 28.4560
Hunter-Lab	87.2829, -5.6395, 39.3407

Details

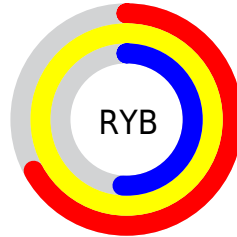
The Yxy color **76.1830, 0.3993, 0.4229** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **37.4538, 0.2258, 0.2114**, and the grayscale version is **73.7597, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.2828, 0.3544, 0.3979**, and **40.6618, 0.4165, 0.4419** is the 20% darker color. If you saturate the color by 10%, you get **72.2433, 0.4178, 0.4391**, and if you desaturate by 10%, it is **80.4162, 0.3803, 0.4046**.

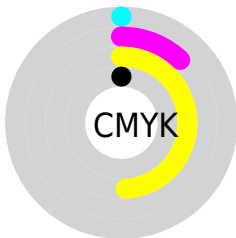
Distribution



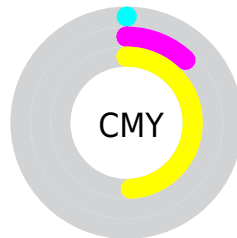
- Red (100%)
- Green (88%)
- Blue (51%)



- 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 76.1830, 0.3993, 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 76.1830, 0.3993, 0.4229 by changing the saturation by 10% instead.


 76.1830, 0.3993,
0.4229

 76.1830, 0.3993,
0.4229


481.9739, 0.3611,
0.3813


 56.5826, 0.4073,
0.4316


 127.9856, 0.3866,
0.4090

 40.6702, 0.4166,
0.4419


 160.9565, 0.3815,
0.4034

 28.0615, 0.4276,
0.4541


 199.1530, 0.3770,
0.3986

 18.3720, 0.4405,
0.4684

242.9596, 0.3731,
0.3943

 11.2174, 0.4550,
0.4847

292.7606, 0.3695,
0.3905

 6.2133, 0.4780,
0.5106

348.9403, 0.3664,

 2.9752, 0.4824,

0.3871

0.5176

411.8833, 0.3636,
0.3840

■ 1.1188, 0.4805,
0.5195

■ 0.0000, 0.0000,
0.0000

■ 76.1830, 0.3993,
0.4229

■ 76.1830, 0.3993,
0.4229

■ 72.2433, 0.4178,
0.4391

■ 80.4162, 0.3803,
0.4046

■ 68.5868, 0.4351,
0.4519

■ 84.9596, 0.3615,
0.3851

■ 65.1964, 0.4501,
0.4605

■ 89.8237, 0.3436,
0.3653

■ 62.0533, 0.4623,
0.4642

■ 95.0194, 0.3268,
0.3459

■ 59.1306, 0.4716,
0.4633

100.0000, 0.3127,
0.3290

■ 58.8533, 0.4724,
0.4631

Harmonies

Analogous

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



76.1830, 0.4279, 0.3862



76.1830, 0.3993, 0.4229



76.1830, 0.3487, 0.4365

Triad

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



76.1830, 0.3993, 0.4229



76.1830, 0.2132, 0.3007



76.1830, 0.3265, 0.2615

Complementary

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



76.1830, 0.3993, 0.4229



37.4538, 0.2258, 0.2114

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.



76.1830, 0.2693, 0.2404



76.1830, 0.3993, 0.4229



76.1830, 0.2087, 0.2580

Square

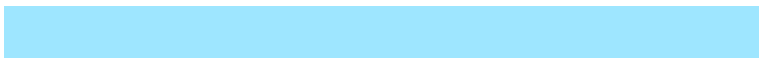
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



76.1830, 0.3993, 0.4229



76.1830, 0.2421, 0.3597



76.1830, 0.2280, 0.2383



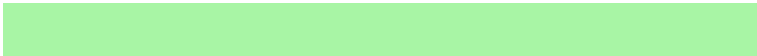
76.1830, 0.3848, 0.2971

Rectangle

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



76.1830, 0.3993, 0.4229



76.1830, 0.3101, 0.4255



76.1830, 0.2280, 0.2383



76.1830, 0.3064, 0.2526

Sweetspot

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



76.1817, 0.3993, 0.4229



91.8729, 0.3367, 0.3574



39.8056, 0.4153, 0.2969



19.4332, 0.3403, 0.3615



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.



76.1817, 0.3993, 0.4229



72.2516, 0.4178, 0.4390



88.9387, 0.3632, 0.4585



20.2827, 0.3275, 0.3468



31.0005, 0.4713, 0.4639



3.1906, 0.4641, 0.4697

Inverse Universe

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



37.4538, 0.2258, 0.2114



29.5012, 0.2073, 0.1827



30.7863, 0.2399, 0.1811



18.1095, 0.2979, 0.3106



5.8403, 0.1578, 0.0881



0.7323, 0.1636, 0.1088

Previews

White Background



This preview shows how the Yxy color 76.1830, 0.3993, 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 76.1830, 0.3993, 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 76.1830, 0.3993, 0.4229

Background



This preview shows how black text looks on a background with the Yxy color 76.1830, 0.3993, 0.4229.



This preview shows how white text looks on a background with the Yxy color 76.1830, 0.3993, 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

76.1830, 0.3993, 0.4229

Protanopia

75.9879, 0.3923, 0.4258

Deuteranopia

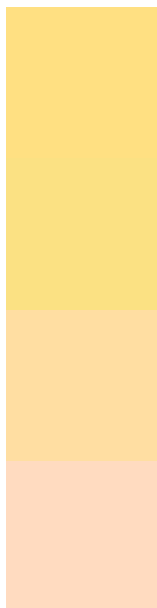
76.3091, 0.3658, 0.3700



Tritanopia

75.9732, 0.3330, 0.3170

Trichromacy



Original Color

76.1830, 0.3993, 0.4229

Protanomaly

75.9984, 0.3951, 0.4241

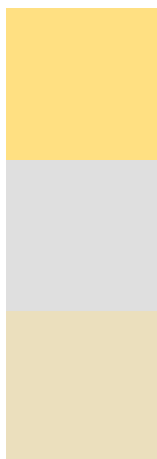
Deuteranomaly

76.1112, 0.3789, 0.3904

Tritanomaly

75.7288, 0.3584, 0.3567

Monochromacy



Original Color

76.1830, 0.3993, 0.4229

Achromatopsia

73.7910, 0.3127, 0.3290

Achromatomaly

74.1116, 0.3445, 0.3656

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.1830, 0.3993, 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, 224, 130)` looks like.

```
.text, #text, p{  
    color:rgb(255, 224, 130)  
}
```

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, 224, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 224, 130) }
```

Border

The CSS property to change the border of an element to Yxy 76.1830, 0.3993, 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, 224, 130) }
```

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

```
.border{ border-color:rgb(255, 224, 130) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 224, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 224, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 224, 130);  
box-shadow:4px 4px 4px 4px rgb(255, 224,  
130) }
```


Background

The CSS property to change the background color of an element to Yxy 76.1830, 0.3993, 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, 224, 130) }
```

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

```
.background{ background-color: rgb(255,  
224, 130) }
```

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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