

Converting Colors

$Y_{xy}(100.8284, 0.4528, 0.3779)$

Have a look what the booklet for
Yxy(100.8284, 0.4528, 0.3779)
contains.

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Color

Yxy(76.4697, 0.3820, 0.3963)

Conversions

Conversions Part 1

Format	Color
Hex	FFDF9D
RGB	255, 223, 157
RGB Percent	100%, 87%, 62%
CMY	0.0001, 0.1254, 0.3843
CMYK	0.00, 0.13, 0.38, 0.00
HSL	40°, 100%, 81%
HSV	40°, 38%, 100%
XYZ	73.7104, 76.4697, 42.7790
YIQ	225.0440, 40.2580, -13.7420

Conversions

Conversions Part 2

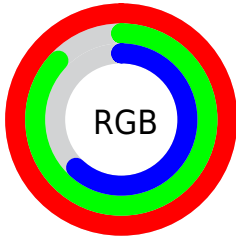
Format	Color
RYB	205, 255, 157
Decimal	16768925
CIELab	90.08, 2.15, 36.41
CIElCh	90, 36.472, 86.627
Yxy	76.4697, 0.3820, 0.3963
Android (android.graphics.Color)	4294959005 (0xFFFFDF9D)
YUV	225.0440, -33.5457, 26.2714
Hunter-Lab	87.4470, -2.5718, 32.2082

Details

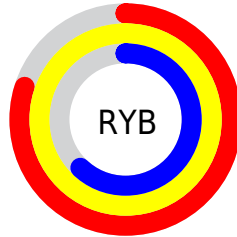
The Yxy color **76.4697, 0.3820, 0.3963** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **50.7792, 0.2474, 0.2505**, and the grayscale version is **75.5543, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.5335, 0.3382, 0.3711**, and **40.8955, 0.3972, 0.4104** is the 20% darker color. If you saturate the color by 10%, you get **71.3526, 0.4029, 0.4132**, and if you desaturate by 10%, it is **81.9942, 0.3619, 0.3785**.

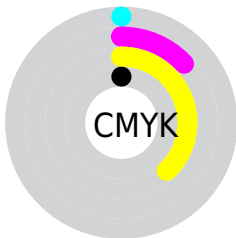
Distribution



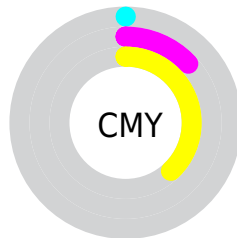
- Red (100%)
- Green (87%)
- Blue (62%)



- Red (80%)
- Yellow (100%)
- Blue (62%)



- Cyan (0%)
- Magenta (13%)
- Yellow (38%)
- Black (0%)





- Cyan (0%)
- Magenta (13%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 76.4697, 0.3820, 0.3963 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 76.4697, 0.3820, 0.3963 by changing the saturation by 10% instead.


 76.4697, 0.3820,
0.3963


 76.4697, 0.3820,
0.3963


482.9541, 0.3507,
0.3661

 56.8177, 0.3889,
0.4028


 128.3906, 0.3713,
0.3861

 40.8589, 0.3971,
0.4107


 161.4284, 0.3671,
0.3820

 28.2089, 0.4073,
0.4202


199.6969, 0.3635,
0.3785

 18.4832, 0.4199,
0.4319

243.5805, 0.3603,
0.3754

 11.2974, 0.4358,
0.4465

293.4636, 0.3574,
0.3727

 6.2673, 0.4556,
0.4641

349.7307, 0.3549,

 3.0083, 0.4976,

0.3703

0.5024

412.7660, 0.3527,
0.3681

■ 1.1361, 0.5015,
0.4985

■ 0.0085, 0.8765,
0.1235

■ 76.4697, 0.3820,
0.3963

■ 76.4697, 0.3820,
0.3963

■ 71.3526, 0.4029,
0.4132

■ 81.9942, 0.3619,
0.3785

■ 66.6178, 0.4240,
0.4280

■ 87.9290, 0.3432,
0.3606

■ 62.2530, 0.4444,
0.4398

■ 94.2901, 0.3259,
0.3431

■ 58.2404, 0.4630,
0.4473

99.9972, 0.3127,
0.3290

■ 54.5598, 0.4787,
0.4498

■ 51.1837, 0.4913,
0.4473

■ 50.6734, 0.4931,
0.4467

Harmonies

Analogous

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



76.4697, 0.3987, 0.3688



76.4697, 0.3820, 0.3963



76.4697, 0.3469, 0.4071

Triad

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



76.4697, 0.3820, 0.3963



76.4697, 0.2402, 0.3156



76.4697, 0.3167, 0.2746

Complementary

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



76.4697, 0.3820, 0.3963



50.7792, 0.2474, 0.2505

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.



76.4697, 0.2752, 0.2606



76.4697, 0.3820, 0.3963



76.4697, 0.2334, 0.2810

Square

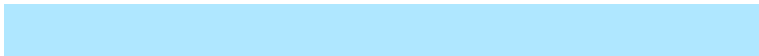
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



76.4697, 0.3820, 0.3963



76.4697, 0.2654, 0.3582



76.4697, 0.2457, 0.2622



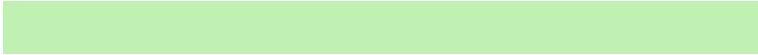
76.4697, 0.3599, 0.3009

Rectangle

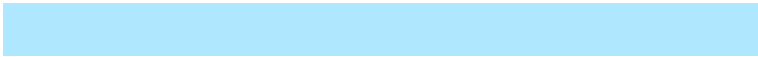
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



76.4697, 0.3820, 0.3963



76.4697, 0.3185, 0.4009



76.4697, 0.2457, 0.2622



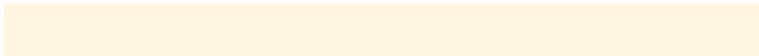
76.4697, 0.3021, 0.2684

Sweetspot

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



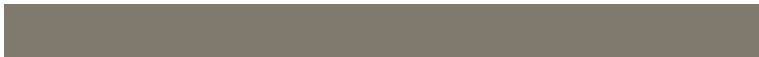
76.4733, 0.3820, 0.3963



91.9763, 0.3319, 0.3493



49.0795, 0.3761, 0.2951



19.5079, 0.3342, 0.3516



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.



76.4733, 0.3820, 0.3963



72.5663, 0.3978, 0.4092



92.2366, 0.3593, 0.4286



20.0327, 0.3277, 0.3450



26.7651, 0.4916, 0.4479



2.8053, 0.4812, 0.4561

Inverse Universe

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



50.7792, 0.2474, 0.2505



43.6417, 0.2336, 0.2317



40.2614, 0.2528, 0.2147



18.3458, 0.2979, 0.3125



7.2635, 0.1627, 0.1057



0.8966, 0.1689, 0.1280

Previews

White Background



This preview shows how the Yxy color 76.4697, 0.3820, 0.3963 looks on a white background.

Color Contrast Check

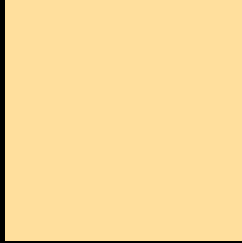
Large Text (above 18pt) WCAG AA × Fail

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 76.4697, 0.3820, 0.3963 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

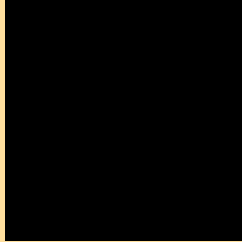
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 76.4697, 0.3820, 0.3963

Background



This preview shows how black text looks on a background with the Yxy color 76.4697, 0.3820, 0.3963.



This preview shows how white text looks on a background with the Yxy color 76.4697, 0.3820, 0.3963.

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

76.4697, 0.3820, 0.3963

Protanopia

76.8539, 0.3716, 0.4001

Deuteranopia

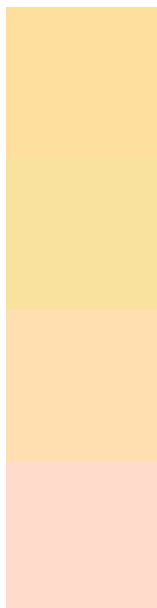
76.5608, 0.3615, 0.3639



Tritanopia

76.5429, 0.3322, 0.3171

Trichromacy



Original Color

76.4697, 0.3820, 0.3963

Protanomaly

77.0011, 0.3756, 0.3993

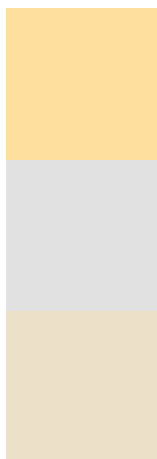
Deuteranomaly

76.6371, 0.3691, 0.3762

Tritanomaly

76.2348, 0.3504, 0.3454

Monochromacy



Original Color

76.4697, 0.3820, 0.3963

Achromatopsia

75.2942, 0.3127, 0.3290

Achromatomaly

75.3143, 0.3375, 0.3546

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.4697, 0.3820, 0.3963 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, 223, 157)` looks like.

```
.text, #text, p{  
    color:rgb(255, 223, 157)  
}
```

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, 223, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 223, 157) }
```

Border

The CSS property to change the border of an element to Yxy 76.4697, 0.3820, 0.3963 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, 223, 157) }
```

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

```
.border{ border-color:rgb(255, 223, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 223, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 223, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 223, 157);  
box-shadow:4px 4px 4px 4px rgb(255, 223,  
157) }
```


Background

The CSS property to change the background color of an element to Yxy 76.4697, 0.3820, 0.3963 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 223, 157) }
```

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

```
.background{ background-color: rgb(255,  
223, 157) }
```

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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