

Converting Colors

$Y_{xy}(100.7469, 0.4187, 0.4078)$

Have a look what the booklet for
Yxy(100.7469, 0.4187, 0.4078)
contains.

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Color

Yxy(88.1634, 0.3785, 0.4219)

Conversions

Conversions Part 1

Format	Color
Hex	FFF496
RGB	255, 244, 150
RGB Percent	100%, 96%, 59%
CMY	0.0000, 0.0431, 0.4117
CMYK	0.00, 0.04, 0.41, 0.00
HSL	54°, 100%, 79%
HSV	54°, 41%, 100%
XYZ	79.0942, 88.1634, 41.7099
YIQ	236.5730, 36.7300, -26.9020

Conversions

Conversions Part 2

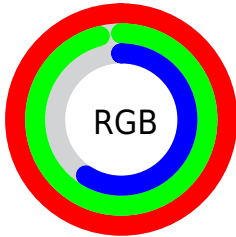
Format	Color
R_{YB}	162, 255, 150
Decimal	16774294
CIE _{Lab}	95.23, -9.14, 46.52
CIE _{LCh}	95, 47.413, 101.117
Yxy	88.1634, 0.3785, 0.4219
Android (android.graphics.Color)	4294964374 (0xFFFFF496)
YUV	236.5730, -42.6805, 16.1605
Hunter-Lab	93.8954, -13.9547, 39.3891

Details

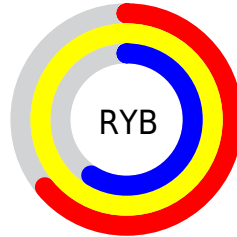
The Yxy color **88.1634, 0.3785, 0.4219** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **39.1955, 0.2377, 0.2148**, and the grayscale version is **84.6585, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.1878, 0.3424, 0.3780**, and **48.6998, 0.3914, 0.4415** is the 20% darker color. If you saturate the color by 10%, you get **85.8394, 0.3940, 0.4423**, and if you desaturate by 10%, it is **90.6975, 0.3622, 0.3998**.

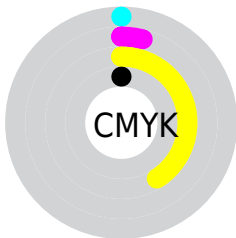
Distribution



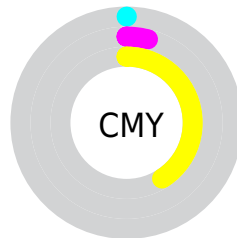
- Red (100%)
- Green (96%)
- Blue (59%)



- Red (64%)
- Yellow (100%)
- Blue (59%)



- Cyan (0%)
- Magenta (4%)
- Yellow (41%)
- Black (0%)





- Cyan (0%)
- Magenta (4%)
- Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 88.1634, 0.3785, 0.4219 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 88.1634, 0.3785, 0.4219 by changing the saturation by 10% instead.

 88.1634, 0.3785,
0.4219


 88.1634, 0.3785,
0.4219

522.0382, 0.3504,
0.3806

 66.4584, 0.3842,
0.4307


 144.7846, 0.3693,
0.4080

 48.6446, 0.3909,
0.4413


 180.4696, 0.3656,
0.4025

 34.3377, 0.3987,
0.4541


221.5834, 0.3623,
0.3976

 23.1531, 0.4077,
0.4697

268.5104, 0.3593,
0.3934

 14.7066, 0.4180,
0.4889

321.6350, 0.3567,
0.3896

 8.6137, 0.4288,
0.5121

381.3416, 0.3544,

 4.4901, 0.4479,

0.3863

0.5521

448.0145, 0.3523,
0.3833

■ 1.9513, 0.4349,
0.5651

■ 0.5790, 0.3610,
0.6390

■ 88.1634, 0.3785,
0.4219

■ 88.1634, 0.3785,
0.4219

■ 85.8394, 0.3940,
0.4423

■ 90.6975, 0.3622,
0.3998

■ 83.7015, 0.4080,
0.4599

■ 93.4402, 0.3458,
0.3768

■ 81.7405, 0.4199,
0.4737

■ 96.4056, 0.3298,
0.3538

■ 79.9414, 0.4292,
0.4832

■ 99.6029, 0.3144,
0.3315

■ 78.2858, 0.4357,
0.4882

99.9982, 0.3127,
0.3290

■ 76.9181, 0.4394,
0.4893

Harmonies

Analogous

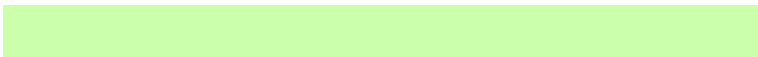
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.1634, 0.4122, 0.3946



88.1634, 0.3785, 0.4219



88.1634, 0.3287, 0.4231

Triad

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



88.1634, 0.3785, 0.4219



88.1634, 0.2175, 0.2887



88.1634, 0.3439, 0.2766

Complementary

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



88.1634, 0.3785, 0.4219



39.1955, 0.2377, 0.2148

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.



88.1634, 0.2895, 0.2522



88.1634, 0.3785, 0.4219



88.1634, 0.2206, 0.2559

Square

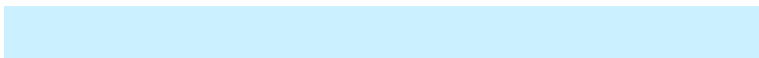
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



88.1634, 0.3785, 0.4219



88.1634, 0.2371, 0.3388



88.1634, 0.2456, 0.2442



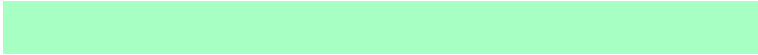
88.1634, 0.3927, 0.3130

Rectangle

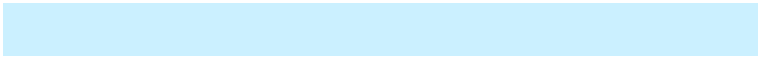
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



88.1634, 0.3785, 0.4219



88.1634, 0.2935, 0.4052



88.1634, 0.2456, 0.2442



88.1634, 0.3255, 0.2669

Sweetspot

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



88.1674, 0.3785, 0.4219



96.1580, 0.3311, 0.3557



45.6953, 0.4064, 0.3164



20.4966, 0.3332, 0.3587



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.



88.1674, 0.3785, 0.4219



86.3346, 0.3907, 0.4381



88.1260, 0.3468, 0.4416



20.7468, 0.3272, 0.3501



40.3262, 0.4390, 0.4896



4.0159, 0.4365, 0.4916

Inverse Universe

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



39.1955, 0.2377, 0.2148



31.6513, 0.2215, 0.1889



40.0189, 0.2646, 0.2107



17.6834, 0.2979, 0.3070



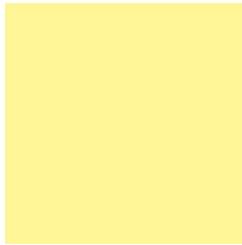
4.2732, 0.1520, 0.0671



0.5121, 0.1557, 0.0805

Previews

White Background



This preview shows how the Yxy color 88.1634, 0.3785, 0.4219 looks on a white background.

Color Contrast Check

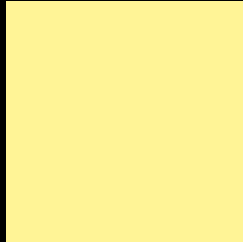
Large Text (above 18pt) WCAG AA × Fail

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 88.1634, 0.3785, 0.4219 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

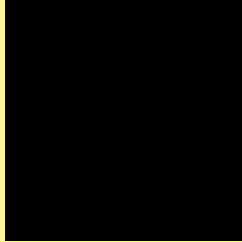
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 88.1634, 0.3785, 0.4219

Background



This preview shows how black text looks on a background with the Yxy color 88.1634, 0.3785, 0.4219.

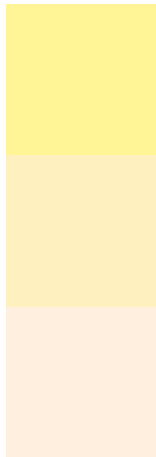


This preview shows how white text looks on a background with the Yxy color 88.1634, 0.3785, 0.4219.

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

88.1634, 0.3785, 0.4219

Protanopia

87.9322, 0.3539, 0.3791

Deuteranopia

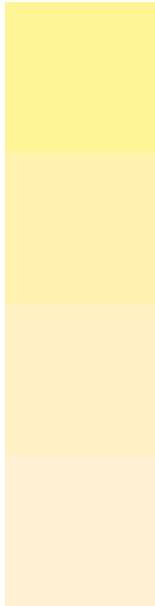
88.3207, 0.3336, 0.3449



Tritanopia

87.9047, 0.3192, 0.3193

Trichromacy



Original Color

88.1634, 0.3785, 0.4219

Protanomaly

87.8989, 0.3633, 0.3950

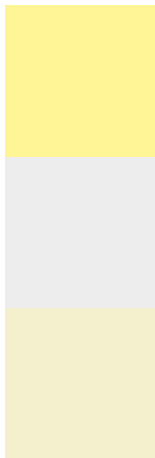
Deuteranomaly

88.1561, 0.3507, 0.3740

Tritanomaly

87.6962, 0.3413, 0.3569

Monochromacy



Original Color

88.1634, 0.3785, 0.4219

Achromatopsia

84.6873, 0.3127, 0.3290

Achromatomaly

85.9611, 0.3374, 0.3648

CSS Examples

Text

The CSS property to change the color of the text to Yxy 88.1634, 0.3785, 0.4219 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, 244, 150)` looks like.

```
.text, #text, p{  
    color:rgb(255, 244, 150)  
}
```

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, 244, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 244, 150) }
```

Border

The CSS property to change the border of an element to Yxy 88.1634, 0.3785, 0.4219 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, 244, 150) }
```

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

```
.border{ border-color:rgb(255, 244, 150) }
```

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

Here you see how a box with a 4 pixel rgb(255, 244, 150) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 244, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 244, 150);  
box-shadow:4px 4px 4px 4px rgb(255, 244,  
150) }
```


Background

The CSS property to change the background color of an element to Yxy 88.1634, 0.3785, 0.4219 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 244, 150) }
```

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

```
.background{ background-color: rgb(255,  
244, 150) }
```

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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