

Converting Colors

$Y_{xy}(88.2284, 0.3773, 0.4200)$

Have a look what the booklet for
Yxy(88.2284, 0.3773, 0.4200)
contains.

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Color

Yxy(88.2284, 0.3773, 0.4200)

Conversions

Conversions Part 1

Format	Color
Hex	FFF498
RGB	255, 244, 152
RGB Percent	100%, 96%, 60%
CMY	0.0000, 0.0431, 0.4037
CMYK	0.00, 0.04, 0.40, 0.00
HSL	54°, 100%, 80%
HSV	54°, 40%, 100%
XYZ	79.2585, 88.2284, 42.5807
YIQ	236.8010, 36.0880, -26.2800

Conversions

Conversions Part 2

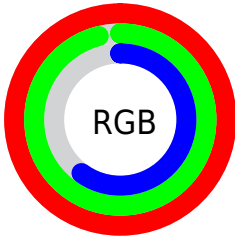
Format	Color
R_{YB}	164, 255, 152
Decimal	16774296
CIE Lab	95.26, -8.93, 45.57
CIE LCh	95, 46.434, 101.093
Yxy	88.2284, 0.3773, 0.4200
Android (android.graphics.Color)	4294964376 (0xFFFFFFFF498)
YUV	236.8010, -41.8069, 15.9605
Hunter-Lab	93.9300, -13.7584, 38.8734

Details

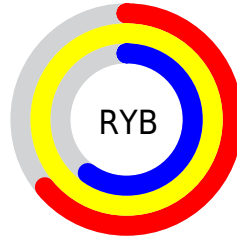
The Yxy color **88.2284, 0.3773, 0.4200** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **40.1072, 0.2394, 0.2177**, and the grayscale version is **84.8388, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.2850, 0.3412, 0.3760**, and **48.7376, 0.3900, 0.4394** is the 20% darker color. If you saturate the color by 10%, you get **85.8593, 0.3929, 0.4405**, and if you desaturate by 10%, it is **90.8094, 0.3610, 0.3978**.

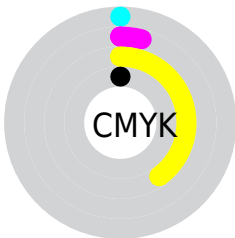
Distribution



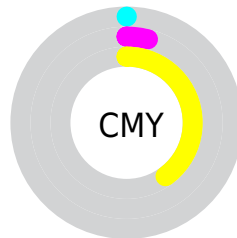
- Red (100%)
- Green (96%)
- Blue (60%)



- Red (64%)
- Yellow (100%)
- Blue (60%)



- Cyan (0%)
- Magenta (4%)
- Yellow (40%)
- Black (0%)




- Cyan (0%)
- Magenta (4%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 88.2284, 0.3773, 0.4200 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 88.2284, 0.3773, 0.4200 by changing the saturation by 10% instead.

 88.2284, 0.3773,
0.4200

 88.2284, 0.3773,
0.4200


522.2509, 0.3497,
0.3795

 66.5122, 0.3829,
0.4287


 144.8751, 0.3682,
0.4064

 48.6883, 0.3895,
0.4391

 180.5744, 0.3646,
0.4009

 34.3723, 0.3973,
0.4517


221.7036, 0.3613,
0.3962

 23.1798, 0.4063,
0.4671

268.6470, 0.3584,
0.3920

 14.7263, 0.4167,
0.4861

321.7890, 0.3559,
0.3884

 8.6275, 0.4277,
0.5093

381.5141, 0.3536,

 4.4990, 0.4488,

0.3851

0.5512

448.2066, 0.3515,
0.3821

■ 1.9565, 0.4362,
0.5638

■ 0.5820, 0.3654,
0.6346

■ 88.2284, 0.3773,
0.4200

■ 88.2284, 0.3773,
0.4200

■ 85.8593, 0.3929,
0.4405

■ 90.8094, 0.3610,
0.3978

■ 83.6782, 0.4071,
0.4583

■ 93.6007, 0.3446,
0.3749

■ 81.6761, 0.4193,
0.4725

■ 96.6164, 0.3285,
0.3520

■ 79.8381, 0.4289,
0.4824

99.8656, 0.3133,
0.3298

■ 78.1461, 0.4356,
0.4876

99.9978, 0.3127,
0.3290

■ 76.6269, 0.4398,
0.4890

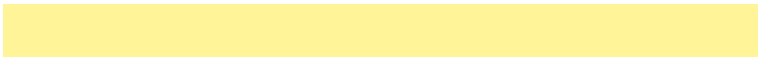
Harmonies

Analogous

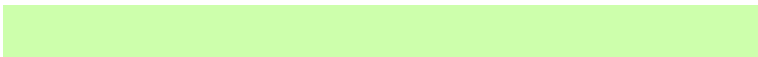
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.2284, 0.4103, 0.3934



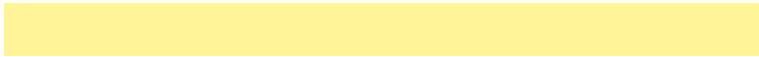
88.2284, 0.3773, 0.4200



88.2284, 0.3285, 0.4210

Triad

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



88.2284, 0.3773, 0.4200



88.2284, 0.2193, 0.2896



88.2284, 0.3432, 0.2776

Complementary

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



88.2284, 0.3773, 0.4200



40.1072, 0.2394, 0.2177

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.



88.2284, 0.2900, 0.2536



88.2284, 0.3773, 0.4200



88.2284, 0.2223, 0.2574

Square

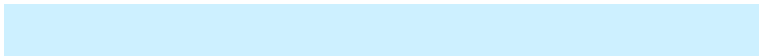
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



88.2284, 0.3773, 0.4200



88.2284, 0.2386, 0.3387



88.2284, 0.2469, 0.2458



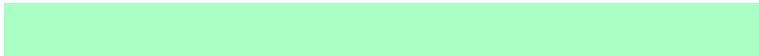
88.2284, 0.3910, 0.3133

Rectangle

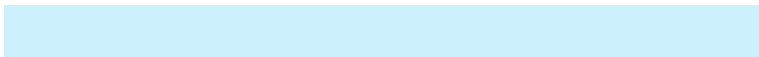
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



88.2284, 0.3773, 0.4200



88.2284, 0.2940, 0.4035



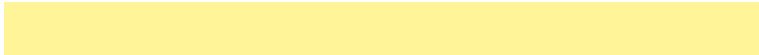
88.2284, 0.2469, 0.2458



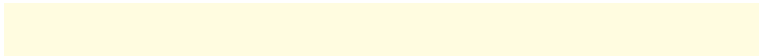
88.2284, 0.3252, 0.2680

Sweetspot

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



88.2324, 0.3773, 0.4200



96.1184, 0.3311, 0.3557



46.4148, 0.4037, 0.3166



20.4872, 0.3332, 0.3587



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

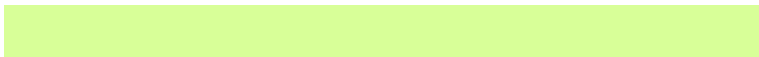
The Same Dimension uses a secret algorithm to generate beautiful new colors.



88.2324, 0.3773, 0.4200



86.4123, 0.3893, 0.4359



88.3090, 0.3463, 0.4393



20.7401, 0.3272, 0.3500



40.1770, 0.4394, 0.4893



4.0028, 0.4368, 0.4913

Inverse Universe

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



40.1072, 0.2394, 0.2177



32.6265, 0.2236, 0.1926



40.8366, 0.2658, 0.2132



17.6895, 0.2979, 0.3071



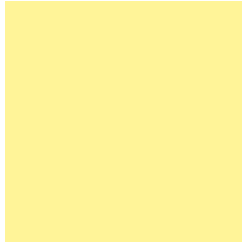
4.2872, 0.1520, 0.0673



0.5150, 0.1558, 0.0809

Previews

White Background



This preview shows how the Yxy color 88.2284, 0.3773, 0.4200 looks on a white background.

Color Contrast Check

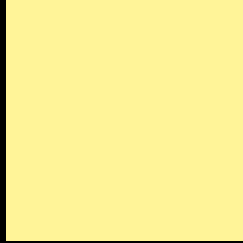
Large Text (above 18pt) WCAG AA × Fail

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 88.2284, 0.3773, 0.4200 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

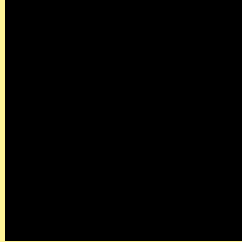
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 88.2284, 0.3773, 0.4200

Background



This preview shows how black text looks on a background with the Yxy color 88.2284, 0.3773, 0.4200.

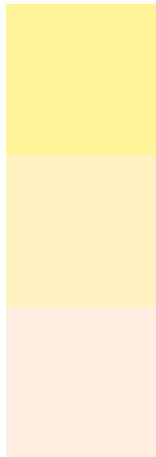


This preview shows how white text looks on a background with the Yxy color 88.2284, 0.3773, 0.4200.

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

88.2284, 0.3773, 0.4200

Protanopia

87.9764, 0.3533, 0.3781

Deuteranopia

88.3207, 0.3336, 0.3449



Tritanopia

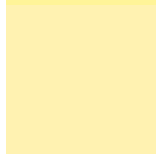
87.9047, 0.3192, 0.3193

Trichromacy



Original Color

88.2284, 0.3773, 0.4200



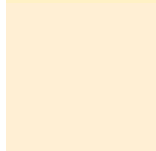
Protanomaly

87.9386, 0.3626, 0.3940



Deuteranomaly

88.2018, 0.3501, 0.3730



Tritanomaly

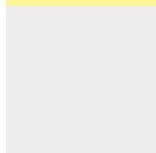
87.7465, 0.3407, 0.3559

Monochromacy



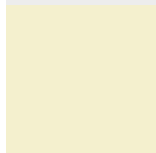
Original Color

88.2284, 0.3773, 0.4200



Achromatopsia

84.6873, 0.3127, 0.3290



Achromatomaly

86.0095, 0.3367, 0.3638

CSS Examples

Text

The CSS property to change the color of the text to Yxy 88.2284, 0.3773, 0.4200 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, 152)` looks like.

```
.text, #text, p{  
    color:rgb(255, 244, 152)  
}
```

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, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 244, 152) }
```

Border

The CSS property to change the border of an element to Yxy 88.2284, 0.3773, 0.4200 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, 152) }
```

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

```
.border{ border-color:rgb(255, 244, 152) }
```

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, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 244, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 244, 152);  
box-shadow:4px 4px 4px 4px rgb(255, 244,  
152) }
```


Background

The CSS property to change the background color of an element to Yxy 88.2284, 0.3773, 0.4200 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, 152) }
```

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

```
.background{ background-color: rgb(255,  
244, 152) }
```

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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