

Converting Colors

$Y_{xy}(104.0206, 0.4236, 0.4020)$

Have a look what the booklet for
Yxy(104.0206, 0.4236, 0.4020)
contains.

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Color

Yxy(88.3279, 0.3756, 0.4172)

Conversions

Conversions Part 1

Format	Color
Hex	FFF49B
RGB	255, 244, 155
RGB Percent	100%, 96%, 61%
CMY	0.0000, 0.0432, 0.3922
CMYK	0.00, 0.04, 0.39, 0.00
HSL	53°, 100%, 80%
HSV	53°, 39%, 100%
XYZ	79.5205, 88.3279, 43.8675
YIQ	237.1430, 35.1250, -25.3470

Conversions

Conversions Part 2

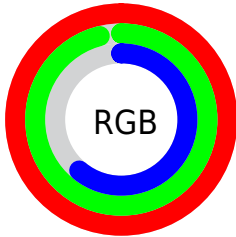
Format	Color
RYB	167, 255, 155
Decimal	16774299
CIELab	95.30, -8.60, 44.18
CIElCh	95, 45.008, 101.011
Yxy	88.3279, 0.3756, 0.4172
Android (android.graphics.Color)	4294964379 (0xFFFFF49B)
YUV	237.1430, -40.4965, 15.6606
Hunter-Lab	93.9829, -13.4383, 38.1138

Details

The Yxy color **88.3279, 0.3756, 0.4172** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **41.4649, 0.2419, 0.2219**, and the grayscale version is **85.0967, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.4331, 0.3394, 0.3731**, and **48.7961, 0.3879, 0.4361** is the 20% darker color. If you saturate the color by 10%, you get **85.8777, 0.3914, 0.4379**, and if you desaturate by 10%, it is **90.9740, 0.3591, 0.3949**.

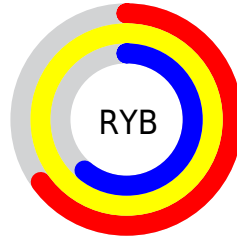
Distribution



Red (100%)

Green (96%)

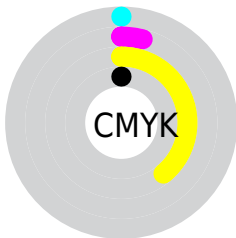
Blue (61%)



Red (65%)

Yellow (100%)

Blue (61%)

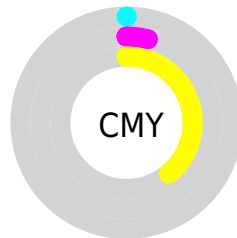


Cyan (0%)

Magenta (4%)

Yellow (39%)

Black (0%)



Cyan (0%)


Magenta (4%)


Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 88.3279, 0.3756, 0.4172 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 88.3279, 0.3756, 0.4172 by changing the saturation by 10% instead.


 88.3279, 0.3756,
0.4172

 88.3279, 0.3756,
0.4172

522.5764, 0.3486,
0.3779

 66.5947, 0.3811,
0.4256


 145.0136, 0.3667,
0.4040

 48.7553, 0.3876,
0.4358

 180.7348, 0.3631,
0.3987

 34.4254, 0.3953,
0.4480


221.8875, 0.3600,
0.3941

 23.2206, 0.4043,
0.4631

268.8560, 0.3572,
0.3901

 14.7565, 0.4147,
0.4819

322.0248, 0.3547,
0.3865

 8.6487, 0.4261,
0.5050

381.7782, 0.3524,

 4.5127, 0.4503,

0.3833

0.5497

448.5006, 0.3504,
0.3805

■ 1.9643, 0.4382,
0.5618

■ 0.5866, 0.3722,
0.6278

■ 88.3279, 0.3756,
0.4172

■ 88.3279, 0.3756,
0.4172

■ 85.8777, 0.3914,
0.4379

■ 90.9740, 0.3591,
0.3949

■ 83.6280, 0.4059,
0.4561

■ 93.8427, 0.3427,
0.3720

■ 81.5603, 0.4184,
0.4707

■ 96.9384, 0.3267,
0.3493

■ 79.6600, 0.4284,
0.4810

100.0000, 0.3127,
0.3290

■ 77.9097, 0.4356,
0.4867

■ 76.2830, 0.4402,
0.4884

■ 76.1581, 0.4405,
0.4884

Harmonies

Analogous

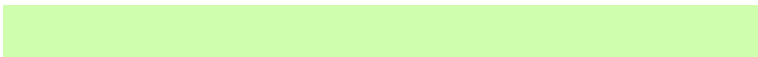
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.3279, 0.4074, 0.3916



88.3279, 0.3756, 0.4172



88.3279, 0.3283, 0.4180

Triad

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



88.3279, 0.3756, 0.4172



88.3279, 0.2220, 0.2911



88.3279, 0.3422, 0.2790

Complementary

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



88.3279, 0.3756, 0.4172



41.4649, 0.2419, 0.2219

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.



88.3279, 0.2906, 0.2556



88.3279, 0.3756, 0.4172



88.3279, 0.2248, 0.2596

Square

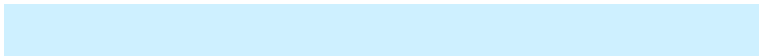
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



88.3279, 0.3756, 0.4172



88.3279, 0.2409, 0.3386



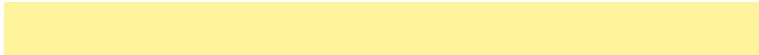
88.3279, 0.2488, 0.2482



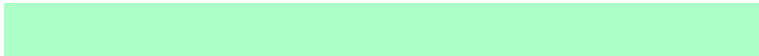
88.3279, 0.3885, 0.3138

Rectangle

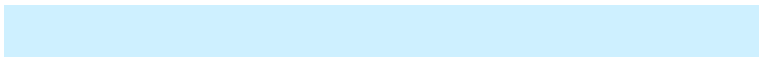
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



88.3279, 0.3756, 0.4172



88.3279, 0.2949, 0.4011



88.3279, 0.2488, 0.2482



88.3279, 0.3247, 0.2697

Sweetspot

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



88.3226, 0.3756, 0.4172



96.0529, 0.3311, 0.3556



47.4809, 0.3999, 0.3170



20.4717, 0.3332, 0.3585



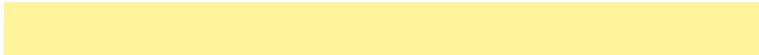
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

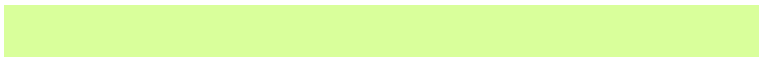
The Same Dimension uses a secret algorithm to generate beautiful new colors.



88.3226, 0.3756, 0.4172



86.4021, 0.3879, 0.4335



88.5874, 0.3455, 0.4360



20.7289, 0.3272, 0.3500



39.9314, 0.4401, 0.4887



3.9814, 0.4374, 0.4909

Inverse Universe

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



41.4649, 0.2419, 0.2219



33.6714, 0.2258, 0.1964



42.0445, 0.2674, 0.2169



17.6995, 0.2979, 0.3071



4.3110, 0.1521, 0.0676



0.5197, 0.1560, 0.0815

Previews

White Background



This preview shows how the Yxy color 88.3279, 0.3756, 0.4172 looks on a white background.

Color Contrast Check

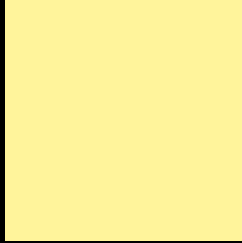
Large Text (above 18pt) WCAG AA × Fail

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 88.3279, 0.3756, 0.4172 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

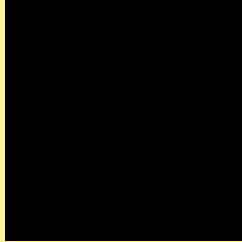
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 88.3279, 0.3756, 0.4172

Background



This preview shows how black text looks on a background with the Yxy color 88.3279, 0.3756, 0.4172.

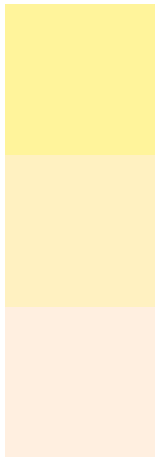


This preview shows how white text looks on a background with the Yxy color 88.3279, 0.3756, 0.4172.

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

88.3279, 0.3756, 0.4172

Protanopia

88.0208, 0.3526, 0.3771

Deuteranopia

88.3748, 0.3329, 0.3439



Tritanopia

88.4822, 0.3191, 0.3203

Trichromacy



Original Color

88.3279, 0.3756, 0.4172



Protanomaly

88.0189, 0.3614, 0.3921



Deuteranomaly

88.2941, 0.3488, 0.3710



Tritanomaly

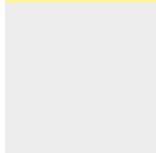
88.3843, 0.3399, 0.3559

Monochromacy



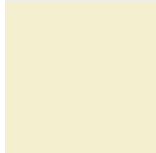
Original Color

88.3279, 0.3756, 0.4172



Achromatopsia

84.6873, 0.3127, 0.3290



Achromatomaly

86.0583, 0.3361, 0.3628

CSS Examples

Text

The CSS property to change the color of the text to Yxy 88.3279, 0.3756, 0.4172 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, 155)` looks like.

```
.text, #text, p{  
    color:rgb(255, 244, 155)  
}
```

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, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 244, 155) }
```

Border

The CSS property to change the border of an element to Yxy 88.3279, 0.3756, 0.4172 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, 155) }
```

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

```
.border{ border-color:rgb(255, 244, 155) }
```

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, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 244, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 244, 155);  
box-shadow:4px 4px 4px 4px rgb(255, 244,  
155) }
```


Background

The CSS property to change the background color of an element to Yxy 88.3279, 0.3756, 0.4172 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, 155) }
```

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

```
.background{ background-color: rgb(255,  
244, 155) }
```

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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