

Converting Colors

$Y_{xy}(100.0000, 0.3920, 0.3757)$

Have a look what the booklet for
Yxy(100.0000, 0.3920, 0.3757)
contains.

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Color

Yxy(88.4384, 0.3550, 0.3820)

Conversions

Conversions Part 1

Format	Color
Hex	FFF2BD
RGB	255, 242, 189
RGB Percent	100%, 95%, 74%
CMY	0.0000, 0.0510, 0.2588
CMYK	0.00, 0.05, 0.26, 0.00
HSL	48°, 100%, 87%
HSV	48°, 26%, 100%
XYZ	82.1875, 88.4384, 60.8882
YIQ	239.8450, 24.7610, -13.7270

Conversions

Conversions Part 2

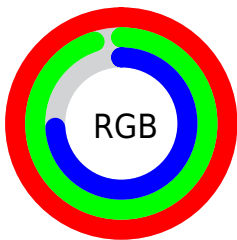
Format	Color
R _Y B	205, 255, 189
Decimal	16773821
CIE Lab	95.35, -3.59, 27.20
CIE LCh	95, 27.436, 97.512
Yxy	88.4384, 0.3550, 0.3820
Android (android.graphics.Color)	4294963901 (0xFFFFF2BD)
YUV	239.8450, -25.0666, 13.2909
Hunter-Lab	94.0417, -8.5733, 27.4413

Details

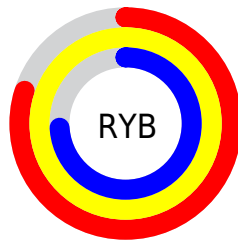
The Yxy color **88.4384, 0.3550, 0.3820** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **60.2893, 0.2692, 0.2697**, and the grayscale version is **87.1930, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.3726, 0.3185, 0.3386**, and **48.8728, 0.3645, 0.3939** is the 20% darker color. If you saturate the color by 10%, you get **84.4734, 0.3727, 0.4028**, and if you desaturate by 10%, it is **92.6753, 0.3378, 0.3611**.

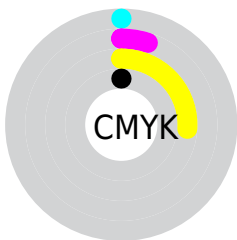
Distribution



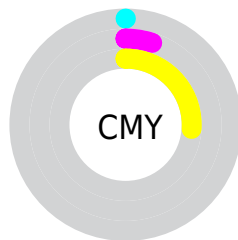
- Red (100%)
- Green (95%)
- Blue (74%)



- Red (80%)
- Yellow (100%)
- Blue (74%)



- Cyan (0%)
- Magenta (5%)
- Yellow (26%)
- Black (0%)





- Cyan (0%)
- Magenta (5%)
- Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 88.4384, 0.3550, 0.3820 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 88.4384, 0.3550, 0.3820 by changing the saturation by 10% instead.

 88.4384, 0.3550,
0.3820

 88.4384, 0.3550,
0.3820


522.9378, 0.3363,
0.3583

 66.6862, 0.3590,
0.3872


 145.1673, 0.3487,
0.3739

 48.8297, 0.3639,
0.3935

180.9129, 0.3462,
0.3708

 34.4844, 0.3698,
0.4013


222.0917, 0.3440,
0.3680

 23.2660, 0.3773,
0.4112

269.0881, 0.3421,
0.3656

 14.7900, 0.3868,
0.4240

322.2865, 0.3404,
0.3634

 8.6721, 0.3992,
0.4411

382.0713, 0.3389,

 4.5280, 0.4156,

0.3615

0.4647

448.8270, 0.3375,
0.3598

■ 1.9731, 0.4672,
0.5328

■ 0.5917, 0.4452,
0.5548

■ 88.4384, 0.3550,
0.3820

■ 88.4384, 0.3550,
0.3820

■ 84.4734, 0.3727,
0.4028

■ 92.6753, 0.3378,
0.3611

■ 80.7769, 0.3906,
0.4226

■ 97.2018, 0.3217,
0.3406

■ 77.3347, 0.4080,
0.4404

100.0000, 0.3127,
0.3290

■ 74.1339, 0.4240,
0.4552

■ 71.1597, 0.4379,
0.4659

■ 68.3952, 0.4490,
0.4720

■ 65.8196, 0.4572,
0.4734

■ 64.8004, 0.4599,
0.4730

Harmonies

Analogous

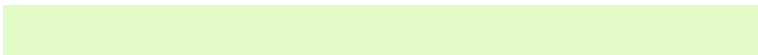
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.4384, 0.3720, 0.3668



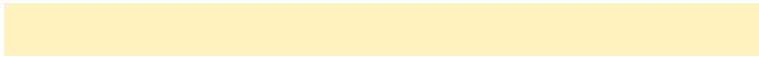
88.4384, 0.3550, 0.3820



88.4384, 0.3270, 0.3826

Triad

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



88.4384, 0.3550, 0.3820



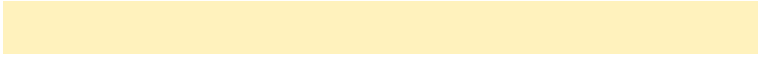
88.4384, 0.2564, 0.3100



88.4384, 0.3275, 0.2953

Complementary

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



88.4384, 0.3550, 0.3820



60.2893, 0.2692, 0.2697

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.



88.4384, 0.2962, 0.2812



88.4384, 0.3550, 0.3820



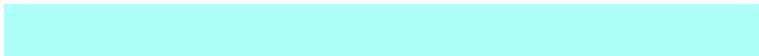
88.4384, 0.2564, 0.2883

Square

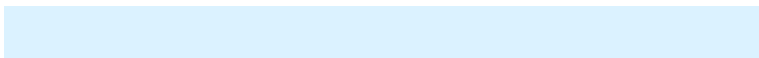
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



88.4384, 0.3550, 0.3820



88.4384, 0.2706, 0.3391



88.4384, 0.2706, 0.2784



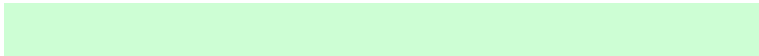
88.4384, 0.3560, 0.3174

Rectangle

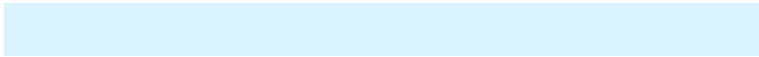
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



88.4384, 0.3550, 0.3820



88.4384, 0.3062, 0.3736



88.4384, 0.2706, 0.2784



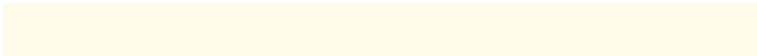
88.4384, 0.3169, 0.2895

Sweetspot

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



88.4359, 0.3550, 0.3820



96.2166, 0.3250, 0.3449



61.9345, 0.3572, 0.3155



20.4466, 0.3274, 0.3480



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

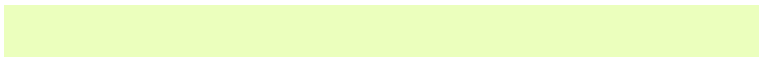
The Same Dimension uses a secret algorithm to generate beautiful new colors.



88.4359, 0.3550, 0.3820



86.3723, 0.3640, 0.3927



92.8915, 0.3387, 0.3969



20.4466, 0.3274, 0.3480



34.0744, 0.4591, 0.4736



3.4656, 0.4537, 0.4779

Inverse Universe

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



60.2893, 0.2692, 0.2697



53.9372, 0.2595, 0.2559



57.1476, 0.2815, 0.2574



17.9572, 0.2979, 0.3093



5.1392, 0.1553, 0.0789



0.6442, 0.1605, 0.0979

Previews

White Background



This preview shows how the Yxy color 88.4384, 0.3550, 0.3820 looks on a white background.

Color Contrast Check

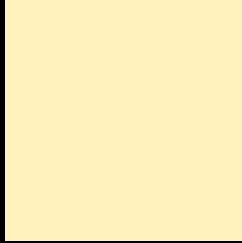
Large Text (above 18pt) WCAG AA × Fail

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 88.4384, 0.3550, 0.3820 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

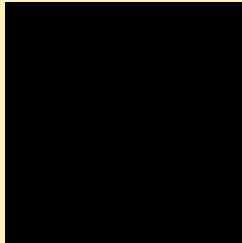
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 88.4384, 0.3550, 0.3820

Background



This preview shows how black text looks on a background with the Yxy color 88.4384, 0.3550, 0.3820.

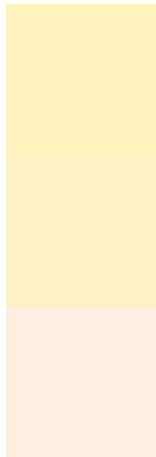


This preview shows how white text looks on a background with the Yxy color 88.4384, 0.3550, 0.3820.

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

88.4384, 0.3550, 0.3820

Protanopia

88.2478, 0.3494, 0.3720

Deuteranopia

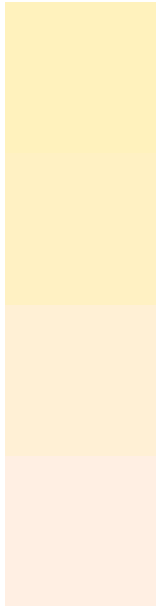
88.5391, 0.3310, 0.3409



Tritanopia

88.6057, 0.3179, 0.3184

Trichromacy



Original Color

88.4384, 0.3550, 0.3820

Protanomaly

88.1107, 0.3513, 0.3750

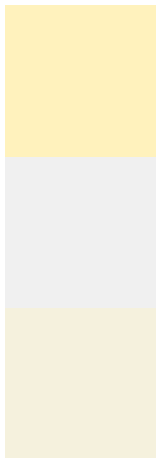
Deuteranomaly

88.3843, 0.3399, 0.3559

Tritanomaly

88.5391, 0.3310, 0.3409

Monochromacy



Original Color

88.4384, 0.3550, 0.3820

Achromatopsia

87.1367, 0.3127, 0.3290

Achromatomaly

87.5435, 0.3278, 0.3492

CSS Examples

Text

The CSS property to change the color of the text to Yxy 88.4384, 0.3550, 0.3820 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, 242, 189)` looks like.

```
.text, #text, p{  
    color:rgb(255, 242, 189)  
}
```

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, 242, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 242, 189) }
```

Border

The CSS property to change the border of an element to Yxy 88.4384, 0.3550, 0.3820 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, 242, 189) }
```

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

```
.border{ border-color:rgb(255, 242, 189) }
```

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

Here you see how a box with a 4 pixel rgb(255, 242, 189) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 242, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 242, 189);  
box-shadow:4px 4px 4px 4px rgb(255, 242,  
189) }
```


Background

The CSS property to change the background color of an element to Yxy 88.4384, 0.3550, 0.3820 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 242, 189) }
```

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

```
.background{ background-color: rgb(255,  
242, 189) }
```

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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