

Converting Colors

$Y_{xy}(84.3944, 0.3560, 0.3744)$

Have a look what the booklet for
Yxy(84.3944, 0.3560, 0.3744)
contains.

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Color

Yxy(84.3944, 0.3560, 0.3744)

Conversions

Conversions Part 1

Format	Color
Hex	FFEBBE
RGB	255, 235, 190
RGB Percent	100%, 92%, 75%
CMY	0.0000, 0.0784, 0.2549
CMYK	0.00, 0.08, 0.25, 0.00
HSL	42°, 100%, 87%
HSV	42°, 25%, 100%
XYZ	80.2468, 84.3944, 60.7712
YIQ	235.8500, 26.3650, -9.7550

Conversions

Conversions Part 2

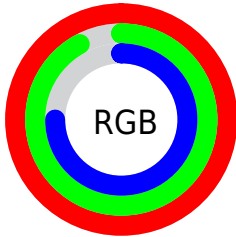
Format	Color
R _Y B	219, 255, 190
Decimal	16772030
CIE Lab	93.62, 0.06, 24.33
CIE LCh	94, 24.335, 89.850
Yxy	84.3944, 0.3560, 0.3744
Android (android.graphics.Color)	4294962110 (0xFFFFEbbe)
YUV	235.8500, -22.6040, 16.7946
Hunter-Lab	91.8664, -4.8436, 25.0852

Details

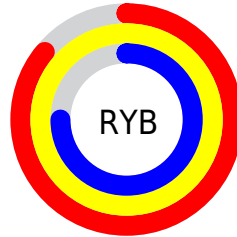
The Yxy color **84.3944, 0.3560, 0.3744** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **64.2564, 0.2706, 0.2790**, and the grayscale version is **83.9202, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.4338, 0.3179, 0.3376**, and **46.0235, 0.3662, 0.3844** is the 20% darker color. If you saturate the color by 10%, you get **78.9818, 0.3754, 0.3927**, and if you desaturate by 10%, it is **90.2009, 0.3378, 0.3561**.

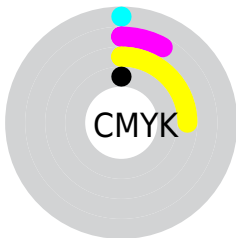
Distribution



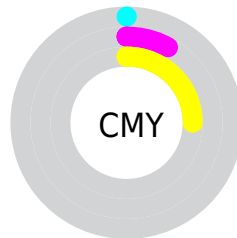
- Red (100%)
- Green (92%)
- Blue (75%)



- Red (86%)
- Yellow (100%)
- Blue (75%)



- Cyan (0%)
- Magenta (8%)
- Yellow (25%)
- Black (0%)




- Cyan (0%)
- Magenta (8%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 84.3944, 0.3560, 0.3744 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 84.3944, 0.3560, 0.3744 by changing the saturation by 10% instead.


 84.3944, 0.3560,
0.3744

 84.3944, 0.3560,
0.3744


509.6220, 0.3366,
0.3540

 63.3411, 0.3603,
0.3789


 139.5268, 0.3494,
0.3675

 46.1172, 0.3655,
0.3843


174.3746, 0.3468,
0.3647

 32.3383, 0.3719,
0.3910


214.5894, 0.3445,
0.3624

 21.6201, 0.3800,
0.3995

260.5556, 0.3425,
0.3603

 13.5780, 0.3906,
0.4106

312.6576, 0.3408,
0.3585

 7.8277, 0.4048,
0.4255

371.2797, 0.3392,

 3.9849, 0.4244,

0.3568

0.4460

436.8064, 0.3378,
0.3554

■ 1.6651, 0.4877,
0.5123

■ 0.4009, 0.4883,
0.5117

■ 84.3944, 0.3560,
0.3744

■ 84.3944, 0.3560,
0.3744

■ 78.9818, 0.3754,
0.3927

■ 90.2009, 0.3378,
0.3561

■ 73.9494, 0.3957,
0.4104

■ 96.4121, 0.3212,
0.3384

■ 69.2838, 0.4163,
0.4263

100.0000, 0.3127,
0.3290

■ 64.9702, 0.4363,
0.4394

■ 60.9921, 0.4547,
0.4486

■ 57.3304, 0.4705,
0.4530

■ 53.9625, 0.4831,
0.4523

■ 52.5266, 0.4880,
0.4507

Harmonies

Analogous

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



84.3944, 0.3678, 0.3584



84.3944, 0.3560, 0.3744



84.3944, 0.3327, 0.3784

Triad

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



84.3944, 0.3560, 0.3744



84.3944, 0.2639, 0.3184



84.3944, 0.3188, 0.2944

Complementary

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



84.3944, 0.3560, 0.3744



64.2564, 0.2706, 0.2790

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.



84.3944, 0.2912, 0.2840



84.3944, 0.3560, 0.3744



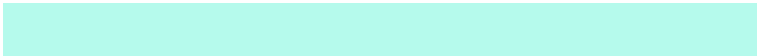
84.3944, 0.2605, 0.2965

Square

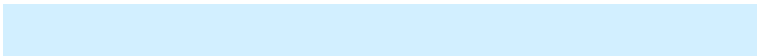
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



84.3944, 0.3560, 0.3744



84.3944, 0.2798, 0.3450



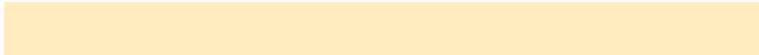
84.3944, 0.2702, 0.2844



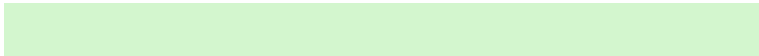
84.3944, 0.3459, 0.3130

Rectangle

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



84.3944, 0.3560, 0.3744



84.3944, 0.3141, 0.3728



84.3944, 0.2702, 0.2844



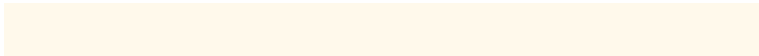
84.3944, 0.3093, 0.2898

Sweetspot

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



84.3948, 0.3560, 0.3744



94.8159, 0.3252, 0.3427



62.7666, 0.3501, 0.3079



20.0922, 0.3277, 0.3454



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

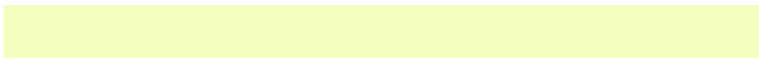
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.3948, 0.3560, 0.3744



81.3657, 0.3665, 0.3845



94.3068, 0.3434, 0.3947



20.0922, 0.3277, 0.3454



27.7233, 0.4866, 0.4518



2.8932, 0.4770, 0.4594

Inverse Universe

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



64.2564, 0.2706, 0.2790



57.8779, 0.2607, 0.2663



56.5888, 0.2767, 0.2576



18.2891, 0.2979, 0.3121



6.8839, 0.1614, 0.1012



0.8541, 0.1676, 0.1232

Previews

White Background



This preview shows how the Yxy color 84.3944, 0.3560, 0.3744 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 84.3944, 0.3560, 0.3744 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

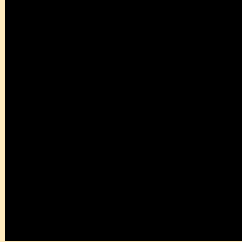
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 84.3944, 0.3560, 0.3744

Background



This preview shows how black text looks on a background with the Yxy color 84.3944, 0.3560, 0.3744.



This preview shows how white text looks on a background with the Yxy color 84.3944, 0.3560, 0.3744.

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

84.3944, 0.3560, 0.3744

Protanopia

84.2617, 0.3522, 0.3748

Deuteranopia

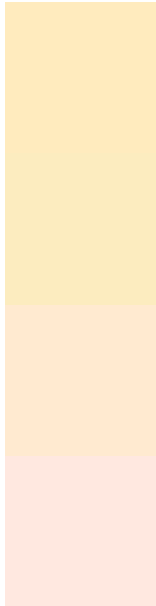
84.5998, 0.3377, 0.3440



Tritanopia

84.3247, 0.3215, 0.3163

Trichromacy



Original Color

84.3944, 0.3560, 0.3744

Protanomaly

84.4479, 0.3529, 0.3747

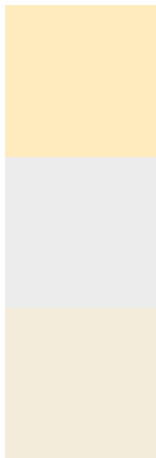
Deuteranomaly

84.6597, 0.3442, 0.3551

Tritanomaly

84.3550, 0.3338, 0.3370

Monochromacy



Original Color

84.3944, 0.3560, 0.3744

Achromatopsia

83.8799, 0.3127, 0.3290

Achromatomaly

84.1601, 0.3282, 0.3464

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.3944, 0.3560, 0.3744 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, 235, 190)` looks like.

```
.text, #text, p{  
    color:rgb(255, 235, 190)  
}
```

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, 235, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 235, 190) }
```

Border

The CSS property to change the border of an element to Yxy 84.3944, 0.3560, 0.3744 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, 235, 190) }
```

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

```
.border{ border-color:rgb(255, 235, 190) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 235, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 235, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 235, 190);  
box-shadow:4px 4px 4px 4px rgb(255, 235,  
190) }
```


Background

The CSS property to change the background color of an element to Yxy 84.3944, 0.3560, 0.3744 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 235, 190) }
```

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

```
.background{ background-color: rgb(255,  
235, 190) }
```

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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