

Converting Colors

$Y_{xy}(84.7451, 0.3531, 0.3841)$

Have a look what the booklet for
Yxy(84.7451, 0.3531, 0.3841)
contains.

Yxy(84.4260, 0.3528, 0.3834)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(84.4260, 0.3528, 0.3834)

Conversions

Conversions Part 1

Format	Color
Hex	F7EEB9
RGB	247, 238, 185
RGB Percent	97%, 93%, 73%
CMY	0.0314, 0.0666, 0.2746
CMYK	0.00, 0.04, 0.25, 0.03
HSL	51°, 79%, 85%
HSV	51°, 25%, 97%
XYZ	77.6878, 84.4260, 58.0897
YIQ	234.6490, 22.3770, -14.5750

Conversions

Conversions Part 2

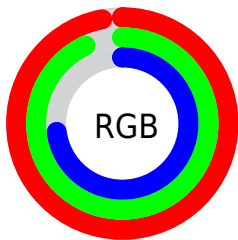
Format	Color
R _Y B	196, 247, 185
Decimal	16248505
CIE Lab	93.64, -5.07, 26.82
CIE LCh	94, 27.292, 100.712
Yxy	84.4260, 0.3528, 0.3834
Android (android.graphics.Color)	4294438585 (0xFFFF7EEB9)
YUV	234.6490, -24.4770, 10.8318
Hunter-Lab	91.8836, -9.8743, 26.8349

Details

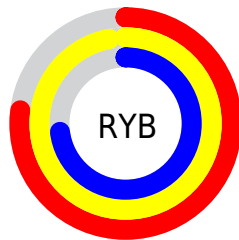
The Yxy color **84.4260, 0.3528, 0.3834** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **55.6007, 0.2703, 0.2680**, and the grayscale version is **82.9752, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.1309, 0.3209, 0.3425**, and **46.0690, 0.3610, 0.3948** is the 20% darker color. If you saturate the color by 10%, you get **81.4106, 0.3698, 0.4053**, and if you desaturate by 10%, it is **87.6717, 0.3362, 0.3613**.

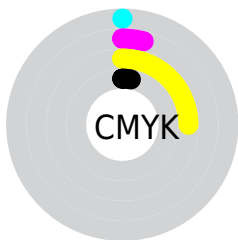
Distribution



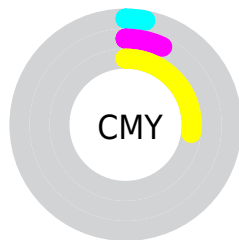
- Red (97%)
- Green (93%)
- Blue (73%)



- Red (77%)
- Yellow (97%)
- Blue (73%)



- Cyan (0%)
- Magenta (4%)
- Yellow (25%)
- Black (3%)





- Cyan (3%)
- Magenta (7%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 84.4260, 0.3528, 0.3834 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 84.4260, 0.3528, 0.3834 by changing the saturation by 10% instead.


 84.4260, 0.3528,
0.3834

 84.4260, 0.3528,
0.3834


509.7268, 0.3350,
0.3588

 63.3672, 0.3567,
0.3889


 139.5709, 0.3468,
0.3750

 46.1383, 0.3613,
0.3955


174.4259, 0.3444,
0.3717

 32.3550, 0.3671,
0.4038


214.6483, 0.3423,
0.3688

 21.6328, 0.3742,
0.4144

260.6226, 0.3405,
0.3663

 13.5873, 0.3834,
0.4283

312.7332, 0.3389,
0.3641

 7.8342, 0.3954,
0.4470

371.3646, 0.3374,

 3.9891, 0.4110,

0.3621

0.4734

436.9009, 0.3362,
0.3603

■ 1.6674, 0.4570,
0.5430

■ 0.4024, 0.3913,
0.6087

■ 84.4260, 0.3528,
0.3834

■ 84.4260, 0.3528,
0.3834

■ 81.4106, 0.3698,
0.4053

■ 87.6717, 0.3362,
0.3613

■ 78.6044, 0.3866,
0.4261

■ 91.1453, 0.3204,
0.3397

■ 76.0010, 0.4026,
0.4449

■ 94.5931, 0.3080,
0.3229

■ 73.5886, 0.4170,
0.4607

■ 96.8256, 0.3079,
0.3264

■ 71.3544, 0.4293,
0.4725

■ 98.5143, 0.3078,
0.3290

■ 69.2833, 0.4388,
0.4797

■ 67.3566, 0.4455,
0.4824

■ 66.4535, 0.4480,
0.4825

Harmonies

Analogous

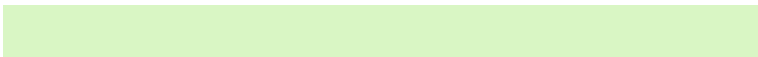
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.4260, 0.3715, 0.3693



84.4260, 0.3528, 0.3834



84.4260, 0.3238, 0.3823

Triad

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



84.4260, 0.3528, 0.3834



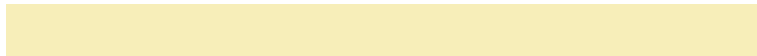
84.4260, 0.2551, 0.3070



84.4260, 0.3310, 0.2970

Complementary

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



84.4260, 0.3528, 0.3834



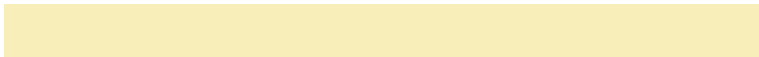
55.6007, 0.2703, 0.2680

Split Complementary

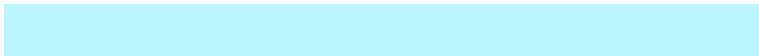
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



84.4260, 0.2992, 0.2818



84.4260, 0.3528, 0.3834



84.4260, 0.2567, 0.2862

Square

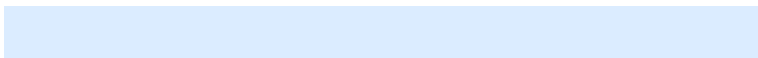
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



84.4260, 0.3528, 0.3834



84.4260, 0.2680, 0.3360



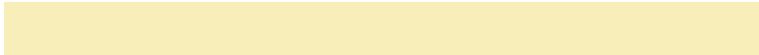
84.4260, 0.2724, 0.2776



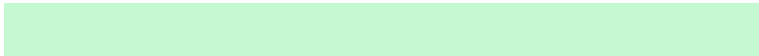
84.4260, 0.3589, 0.3200

Rectangle

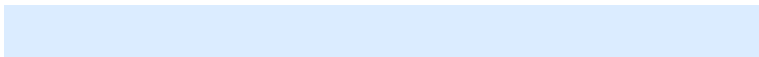
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



84.4260, 0.3528, 0.3834



84.4260, 0.3028, 0.3720



84.4260, 0.2724, 0.2776



84.4260, 0.3204, 0.2909

Sweetspot

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



84.4298, 0.3528, 0.3834



96.8821, 0.3249, 0.3459



58.3730, 0.3580, 0.3192



20.6152, 0.3273, 0.3492



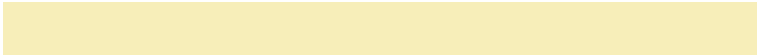
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

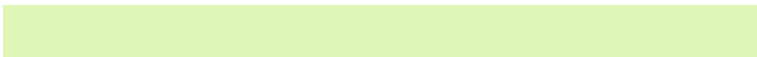
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.4298, 0.3528, 0.3834



89.1396, 0.3612, 0.3943



86.0791, 0.3358, 0.3951



18.8799, 0.3272, 0.3491



35.3078, 0.4474, 0.4829



3.2128, 0.4434, 0.4862

Inverse Universe

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



55.6007, 0.2703, 0.2680



53.3953, 0.2609, 0.2539



54.6270, 0.2849, 0.2604



16.3143, 0.2979, 0.3081



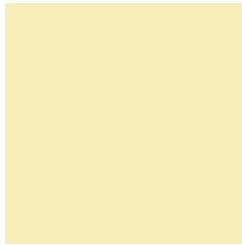
4.3352, 0.1533, 0.0717



0.4968, 0.1584, 0.0902

Previews

White Background



This preview shows how the Yxy color 84.4260, 0.3528, 0.3834 looks on a white background.

Color Contrast Check

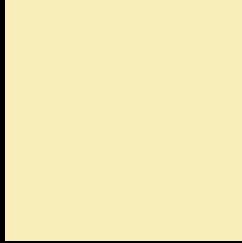
Large Text (above 18pt) WCAG AA × Fail

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 84.4260, 0.3528, 0.3834 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

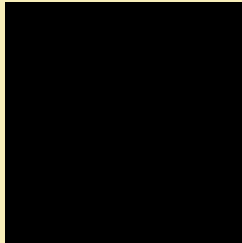
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 84.4260, 0.3528, 0.3834

Background



This preview shows how black text looks on a background with the Yxy color 84.4260, 0.3528, 0.3834.

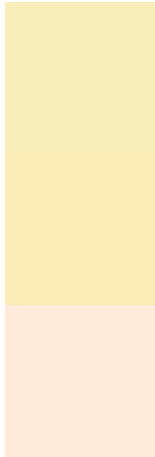


This preview shows how white text looks on a background with the Yxy color 84.4260, 0.3528, 0.3834.

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

84.4260, 0.3528, 0.3834

Protanopia

84.1470, 0.3575, 0.3818

Deuteranopia

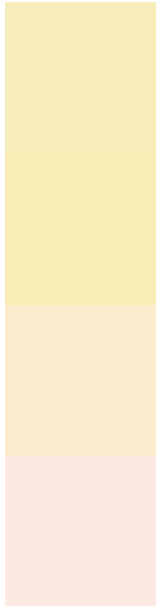
84.5476, 0.3383, 0.3450



Tritanopia

84.6309, 0.3183, 0.3115

Trichromacy



Original Color

84.4260, 0.3528, 0.3834

Protanomaly

84.3531, 0.3558, 0.3831

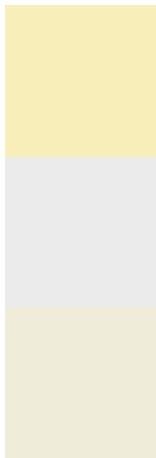
Deuteranomaly

84.5199, 0.3438, 0.3594

Tritanomaly

84.4095, 0.3309, 0.3370

Monochromacy



Original Color

84.4260, 0.3528, 0.3834

Achromatopsia

83.0770, 0.3127, 0.3290

Achromatomaly

83.3514, 0.3267, 0.3486

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.4260, 0.3528, 0.3834 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(247, 238, 185)` looks like.

```
.text, #text, p{  
    color:rgb(247, 238, 185)  
}
```

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(247, 238, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 238, 185) }
```

Border

The CSS property to change the border of an element to Yxy 84.4260, 0.3528, 0.3834 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(247, 238, 185) }
```

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

```
.border{ border-color:rgb(247, 238, 185) }
```

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

Here you see how a box with a 4 pixel rgb(247, 238, 185) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 238, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 238, 185);  
box-shadow:4px 4px 4px 4px rgb(247, 238,  
185) }
```


Background

The CSS property to change the background color of an element to Yxy 84.4260, 0.3528, 0.3834 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 238, 185) }
```

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

```
.background{ background-color: rgb(247,  
238, 185) }
```

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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