

Converting Colors

Yxy(84.1832, 0.3491, 0.3800)

Have a look what the booklet for
Yxy(84.1832, 0.3491, 0.3800)
contains.

Yxy(84.1924, 0.3494, 0.3805)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(84.1924, 0.3494, 0.3805)

Conversions

Conversions Part 1

Format	Color
Hex	F5EEBC
RGB	245, 238, 188
RGB Percent	96%, 93%, 74%
CMY	0.0392, 0.0667, 0.2627
CMYK	0.00, 0.03, 0.23, 0.04
HSL	53°, 74%, 85%
HSV	53°, 23%, 96%
XYZ	77.3110, 84.1924, 59.7644
YIQ	234.3930, 20.2220, -14.0660

Conversions

Conversions Part 2

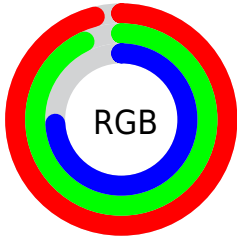
Format	Color
R _Y B	196, 245, 188
Decimal	16117436
CIE Lab	93.53, -5.39, 25.10
CIE LCh	94, 25.671, 102.129
Yxy	84.1924, 0.3494, 0.3805
Android (android.graphics.Color)	4294307516 (0xFFF5EEBC)
YUV	234.3930, -22.8717, 9.3023
Hunter-Lab	91.7564, -10.1754, 25.6117

Details

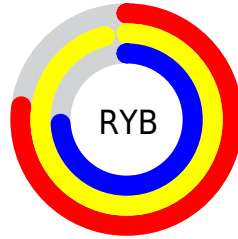
The Yxy color **84.1924, 0.3494, 0.3805** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **56.3286, 0.2737, 0.2717**, and the grayscale version is **82.7619, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.3117, 0.3191, 0.3396**, and **45.8685, 0.3575, 0.3926** is the 20% darker color. If you saturate the color by 10%, you get **81.4888, 0.3660, 0.4029**, and if you desaturate by 10%, it is **87.1123, 0.3331, 0.3580**.

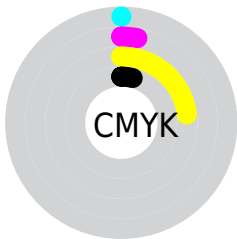
Distribution



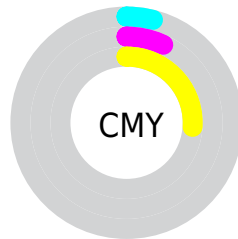
- Red (96%)
- Green (93%)
- Blue (74%)



- Red (77%)
- Yellow (96%)
- Blue (74%)



- Cyan (0%)
- Magenta (3%)
- Yellow (23%)
- Black (4%)




- Cyan (4%)
- Magenta (7%)
- Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 84.1924, 0.3494, 0.3805 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 84.1924, 0.3494, 0.3805 by changing the saturation by 10% instead.


 84.1924, 0.3494,
0.3805

 84.1924, 0.3494,
0.3805


508.9519, 0.3331,
0.3571

 63.1743, 0.3529,
0.3857


 139.2443, 0.3439,
0.3725

 45.9822, 0.3572,
0.3921


174.0469, 0.3417,
0.3693

 32.2318, 0.3625,
0.4000


214.2130, 0.3398,
0.3666

 21.5386, 0.3691,
0.4101

260.1272, 0.3381,
0.3642

 13.5183, 0.3777,
0.4235

312.1738, 0.3366,
0.3621

 7.7864, 0.3889,
0.4418

370.7372, 0.3353,

 3.9586, 0.4037,

0.3603

0.4678

436.2018, 0.3341,
0.3586

■ 1.6504, 0.4550,
0.5450

■ 0.3912, 0.3804,
0.6196

■ 84.1924, 0.3494,
0.3805

■ 84.1924, 0.3494,
0.3805

■ 81.4888, 0.3660,
0.4029

■ 87.1123, 0.3331,
0.3580

■ 78.9809, 0.3825,
0.4244

■ 90.2457, 0.3176,
0.3360

■ 76.6625, 0.3981,
0.4440

■ 93.1770, 0.3068,
0.3212

■ 74.5226, 0.4123,
0.4607

■ 95.0338, 0.3067,
0.3242

■ 72.5490, 0.4243,
0.4735

■ 96.9205, 0.3066,
0.3271

■ 70.7273, 0.4336,
0.4819

■ 98.1535, 0.3066,
0.3290

■ 69.0403, 0.4401,
0.4858

■ 67.9617, 0.4432,
0.4863

Harmonies

Analogous

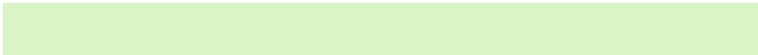
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.1924, 0.3676, 0.3680



84.1924, 0.3494, 0.3805



84.1924, 0.3218, 0.3785

Triad

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



84.1924, 0.3494, 0.3805



84.1924, 0.2581, 0.3072



84.1924, 0.3314, 0.2997

Complementary

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



84.1924, 0.3494, 0.3805



56.3286, 0.2737, 0.2717

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.



84.1924, 0.3014, 0.2848



84.1924, 0.3494, 0.3805



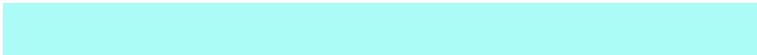
84.1924, 0.2603, 0.2880

Square

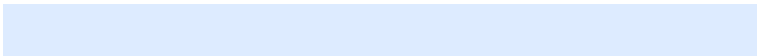
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



84.1924, 0.3494, 0.3805



84.1924, 0.2697, 0.3343



84.1924, 0.2757, 0.2804



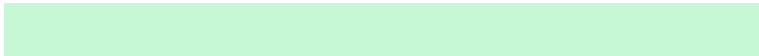
84.1924, 0.3572, 0.3217

Rectangle

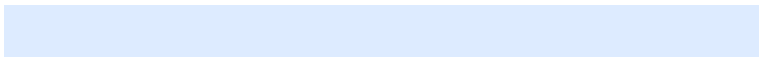
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



84.1924, 0.3494, 0.3805



84.1924, 0.3021, 0.3685



84.1924, 0.2757, 0.2804



84.1924, 0.3214, 0.2938

Sweetspot

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



84.1962, 0.3494, 0.3805



97.5116, 0.3233, 0.3441



59.3578, 0.3546, 0.3210



20.8268, 0.3243, 0.3455



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.



84.1962, 0.3494, 0.3805



90.7527, 0.3574, 0.3913



84.8053, 0.3334, 0.3900



18.9455, 0.3272, 0.3496



36.7496, 0.4427, 0.4867



3.3256, 0.4394, 0.4893

Inverse Universe

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



56.3286, 0.2737, 0.2717



55.2250, 0.2645, 0.2579



56.1120, 0.2880, 0.2661



16.2547, 0.2979, 0.3076



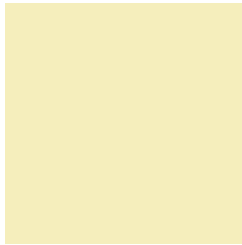
4.1594, 0.1525, 0.0691



0.4686, 0.1572, 0.0858

Previews

White Background



This preview shows how the Yxy color 84.1924, 0.3494, 0.3805 looks on a white background.

Color Contrast Check

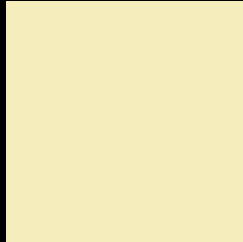
Large Text (above 18pt) WCAG AA × Fail

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 84.1924, 0.3494, 0.3805 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

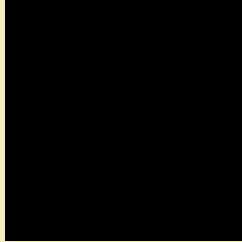
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

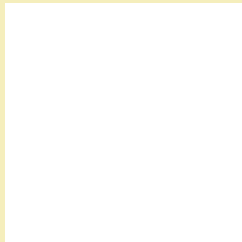
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 84.1924, 0.3494, 0.3805

Background



This preview shows how black text looks on a background with the Yxy color 84.1924, 0.3494, 0.3805.



This preview shows how white text looks on a background with the Yxy color 84.1924, 0.3494, 0.3805.

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

84.1924, 0.3494, 0.3805

Protanopia

84.0880, 0.3548, 0.3789

Deuteranopia

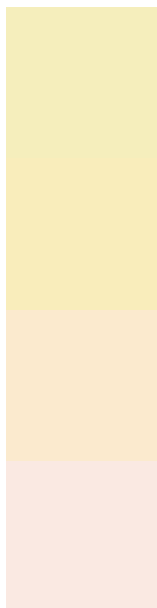
83.9830, 0.3385, 0.3440



Tritanopia

84.2536, 0.3169, 0.3114

Trichromacy



Original Color

84.1924, 0.3494, 0.3805

Protanomaly

84.2960, 0.3532, 0.3801

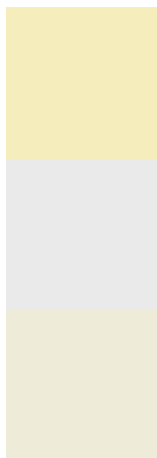
Deuteranomaly

83.8111, 0.3426, 0.3574

Tritanomaly

84.0928, 0.3289, 0.3361

Monochromacy



Original Color

84.1924, 0.3494, 0.3805

Achromatopsia

82.2786, 0.3127, 0.3290

Achromatomaly

82.6036, 0.3261, 0.3477

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.1924, 0.3494, 0.3805 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(245, 238, 188)` looks like.

```
.text, #text, p{  
    color:rgb(245, 238, 188)  
}
```

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(245, 238, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 238, 188) }
```

Border

The CSS property to change the border of an element to Yxy 84.1924, 0.3494, 0.3805 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(245, 238, 188) }
```

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

```
.border{ border-color:rgb(245, 238, 188) }
```

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

Here you see how a box with a 4 pixel `rgb(245, 238, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 238, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 238, 188);  
box-shadow:4px 4px 4px 4px rgb(245, 238,  
188) }
```


Background

The CSS property to change the background color of an element to Yxy 84.1924, 0.3494, 0.3805 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 238, 188) }
```

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

```
.background{ background-color: rgb(245,  
238, 188) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor