

Converting Colors

$Yxy(85.1217, 0.3383, 0.3476)$

Have a look what the booklet for
Yxy(85.1217, 0.3383, 0.3476)
contains.

Yxy(84.8743, 0.3381, 0.3471)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(84.8743, 0.3381, 0.3471)

Conversions

Conversions Part 1

Format	Color
Hex	FEEAD8
RGB	254, 234, 216
RGB Percent	100%, 92%, 85%
CMY	0.0041, 0.0823, 0.1530
CMYK	0.00, 0.08, 0.15, 0.00
HSL	29°, 95%, 92%
HSV	29°, 15%, 100%
XYZ	82.6736, 84.8743, 76.9762
YIQ	237.9280, 17.6980, -1.3580

Conversions

Conversions Part 2

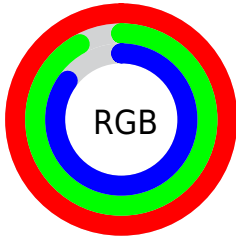
Format	Color
RYB	254, 250, 216
Decimal	16706264
CIELab	93.83, 3.89, 11.19
CIELCh	94, 11.848, 70.852
Yxy	84.8743, 0.3381, 0.3471
Android (android.graphics.Color)	4294896344 (0xFFFEAD8)
YUV	237.9280, -10.8105, 14.0951
Hunter-Lab	92.1272, -1.0395, 14.9498

Details

The Yxy color **84.8743, 0.3381, 0.3471** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **81.6821, 0.2892, 0.3102**, and the grayscale version is **85.5133, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **46.2843, 0.3440, 0.3508** is the 20% darker color. If you saturate the color by 10%, you get **76.3596, 0.3582, 0.3600**, and if you desaturate by 10%, it is **94.1701, 0.3205, 0.3348**.

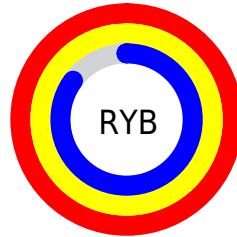
Distribution



Red (100%)

Green (92%)

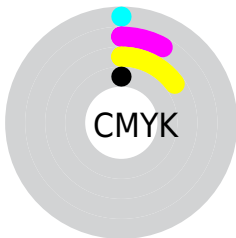
Blue (85%)



Red (100%)

Yellow (98%)

Blue (85%)

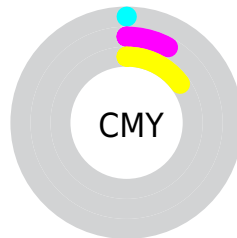


Cyan (0%)

Magenta (8%)

Yellow (15%)

Black (0%)



Cyan (0%)


Magenta (8%)

Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 84.8743, 0.3381, 0.3471 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 84.8743, 0.3381, 0.3471 by changing the saturation by 10% instead.


 84.8743, 0.3381,
0.3471

 84.8743, 0.3381,
0.3471


511.2120, 0.3266,
0.3390

 63.7375, 0.3407,
0.3489


140.1975, 0.3342,
0.3444

 46.4381, 0.3438,
0.3510


175.1528, 0.3326,
0.3433

 32.5917, 0.3477,
0.3537


215.4830, 0.3313,
0.3423

 21.8138, 0.3527,
0.3571

261.5725, 0.3301,
0.3415

 13.7202, 0.3595,
0.3616

313.8058, 0.3291,
0.3408

 7.9263, 0.3688,
0.3677

372.5672, 0.3282,

 4.0478, 0.3829,

0.3401

0.3767

438.2412, 0.3274,
0.3396

■ 1.7004, 0.4061,
0.3907

■ 0.4239, 0.5401,
0.4599

■ 84.8743, 0.3381,
0.3471

■ 84.8743, 0.3381,
0.3471

■ 76.3596, 0.3582,
0.3600

■ 94.1701, 0.3205,
0.3348

■ 68.5930, 0.3810,
0.3730

99.8008, 0.3121,
0.3290

■ 61.5553, 0.4064,
0.3856

■ 55.2223, 0.4340,
0.3969

■ 49.5679, 0.4629,
0.4058

■ 44.5641, 0.4917,
0.4108

■ 40.1798, 0.5183,
0.4108

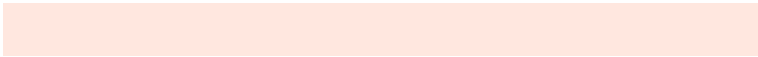
■ 36.3797, 0.5410,
0.4052

■ 34.6634, 0.5509,
0.4007

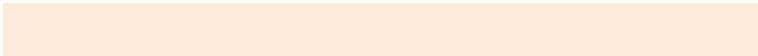
Harmonies

Analogous

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



84.8743, 0.3390, 0.3372



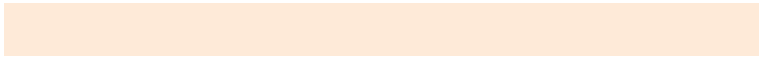
84.8743, 0.3381, 0.3471



84.8743, 0.3303, 0.3524

Triad

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



84.8743, 0.3381, 0.3471



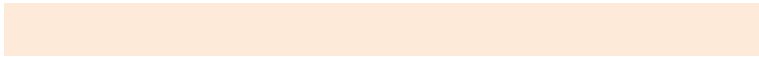
84.8743, 0.2931, 0.3322



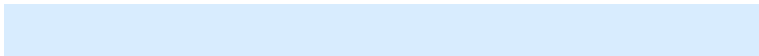
84.8743, 0.3072, 0.3078

Complementary

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



84.8743, 0.3381, 0.3471



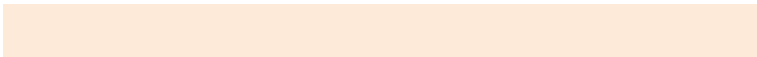
81.6821, 0.2892, 0.3102

Split Complementary

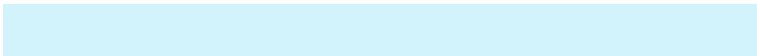
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



84.8743, 0.2951, 0.3062



84.8743, 0.3381, 0.3471



84.8743, 0.2871, 0.3199

Square

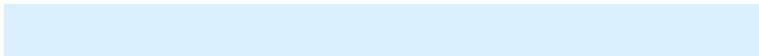
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



84.8743, 0.3381, 0.3471



84.8743, 0.3042, 0.3439



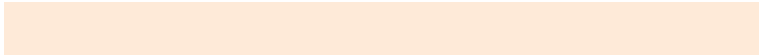
84.8743, 0.2879, 0.3105



84.8743, 0.3209, 0.3148

Rectangle

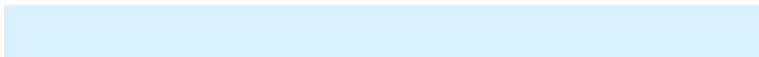
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



84.8743, 0.3381, 0.3471



84.8743, 0.3223, 0.3525



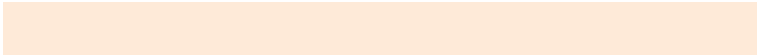
84.8743, 0.2879, 0.3105



84.8743, 0.3028, 0.3066

Sweetspot

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



84.8781, 0.3381, 0.3471



95.9931, 0.3190, 0.3337



76.2318, 0.3265, 0.3089



20.3883, 0.3202, 0.3346



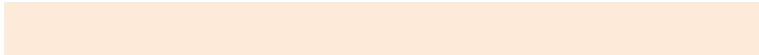
0.0000, 0.0000, 0.0000



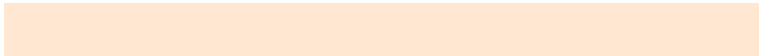
21.4041, 0.3127, 0.3290

Same Dimension

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



84.8781, 0.3381, 0.3471



82.9736, 0.3440, 0.3510



96.0670, 0.3354, 0.3650



19.4112, 0.3282, 0.3403



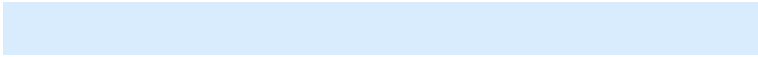
18.5744, 0.5483, 0.4028



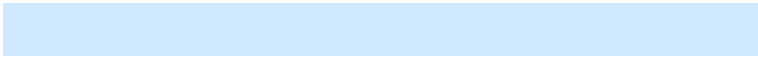
2.0255, 0.5298, 0.4175

Inverse Universe

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



81.6821, 0.2892, 0.3102



79.1716, 0.2843, 0.3060



71.5008, 0.2885, 0.2902



18.9552, 0.2979, 0.3174



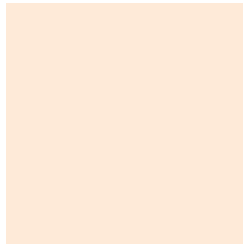
12.9537, 0.1794, 0.1657



1.4801, 0.1849, 0.1856

Previews

White Background



This preview shows how the Yxy color 84.8743, 0.3381, 0.3471 looks on a white background.

Color Contrast Check

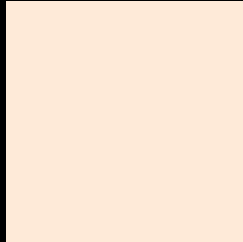
Large Text (above 18pt) WCAG AA × Fail

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 84.8743, 0.3381, 0.3471 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

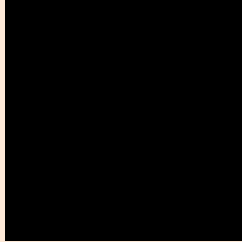
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 84.8743, 0.3381, 0.3471

Background



This preview shows how black text looks on a background with the Yxy color 84.8743, 0.3381, 0.3471.



This preview shows how white text looks on a background with the Yxy color 84.8743, 0.3381, 0.3471.

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

84.8743, 0.3381, 0.3471

Protanopia

85.1710, 0.3315, 0.3493

Deuteranopia

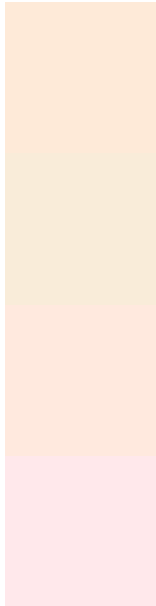
85.0288, 0.3323, 0.3360



Tritanopia

85.0656, 0.3195, 0.3144

Trichromacy



Original Color

84.8743, 0.3381, 0.3471

Protanomaly

85.1404, 0.3337, 0.3482

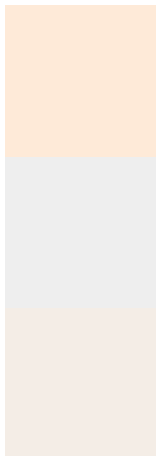
Deuteranomaly

84.8118, 0.3350, 0.3400

Tritanomaly

84.9714, 0.3266, 0.3261

Monochromacy



Original Color

84.8743, 0.3381, 0.3471

Achromatopsia

85.4993, 0.3127, 0.3290

Achromatomaly

85.5146, 0.3218, 0.3361

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.8743, 0.3381, 0.3471 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(254, 234, 216)` looks like.

```
.text, #text, p{  
    color:rgb(254, 234, 216)  
}
```

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(254, 234, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 234, 216) }
```

Border

The CSS property to change the border of an element to Yxy 84.8743, 0.3381, 0.3471 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(254, 234, 216) }
```

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

```
.border{ border-color:rgb(254, 234, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(254, 234, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 234, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 234, 216);  
box-shadow:4px 4px 4px 4px rgb(254, 234,  
216) }
```


Background

The CSS property to change the background color of an element to Yxy 84.8743, 0.3381, 0.3471 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 234, 216) }
```

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

```
.background{ background-color: rgb(254,  
234, 216) }
```

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