

Converting Colors

$Y_{xy}(85.1841, 0.3366, 0.3436)$

Have a look what the booklet for
Yxy(85.1841, 0.3366, 0.3436)
contains.

Yxy(85.2201, 0.3368, 0.3440)	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(85.2201, 0.3368, 0.3440)

Conversions

Conversions Part 1

Format	Color
Hex	FFEADB
RGB	255, 234, 219
RGB Percent	100%, 92%, 86%
CMY	0.0002, 0.0823, 0.1411
CMYK	0.00, 0.08, 0.14, 0.00
HSL	25°, 100%, 93%
HSV	25°, 14%, 100%
XYZ	83.4364, 85.2201, 79.0763
YIQ	238.5690, 17.3310, -0.2130

Conversions

Conversions Part 2

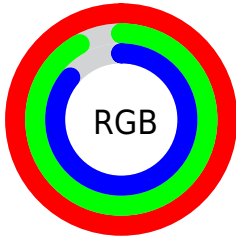
Format	Color
R _Y B	255, 245, 219
Decimal	16771803
CIE Lab	93.98, 4.71, 9.84
CIE LCh	94, 10.911, 64.440
Yxy	85.2201, 0.3368, 0.3440
Android (android.graphics.Color)	4294961883 (0xFFFEADB)
YUV	238.5690, -9.6475, 14.4100
Hunter-Lab	92.3147, -0.2179, 13.8328

Details

The Yxy color **85.2201, 0.3368, 0.3440** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **84.5641, 0.2907, 0.3135**, and the grayscale version is **86.0290, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **46.5269, 0.3423, 0.3469** is the 20% darker color. If you saturate the color by 10%, you get **75.8784, 0.3572, 0.3553**, and if you desaturate by 10%, it is **95.4835, 0.3192, 0.3332**.

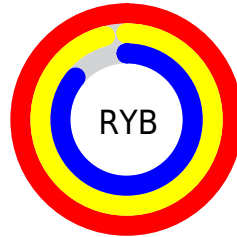
Distribution



Red (100%)

Green (92%)

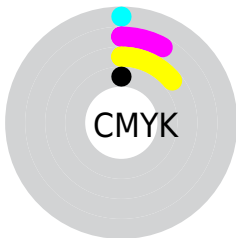
Blue (86%)



Red (100%)

Yellow (96%)

Blue (86%)

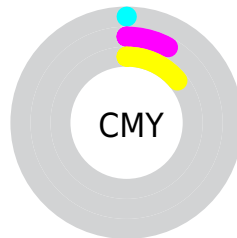


Cyan (0%)

Magenta (8%)

Yellow (14%)

Black (0%)



Cyan (0%)


Magenta (8%)


Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 85.2201, 0.3368, 0.3440 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 85.2201, 0.3368, 0.3440 by changing the saturation by 10% instead.

 85.2201, 0.3368,
0.3440

 85.2201, 0.3368,
0.3440

512.3561, 0.3259,
0.3373

 64.0233, 0.3392,
0.3455


140.6806, 0.3331,
0.3417

 46.6695, 0.3422,
0.3472


175.7131, 0.3316,
0.3408

 32.7745, 0.3459,
0.3494


216.1263, 0.3303,
0.3401

 21.9537, 0.3507,
0.3522

262.3046, 0.3292,
0.3394

 13.8229, 0.3571,
0.3559

314.6323, 0.3283,
0.3388

 7.9976, 0.3660,
0.3609

373.4938, 0.3274,

 4.0934, 0.3794,

0.3383

0.3681

439.2736, 0.3266,
0.3378

■ 1.7260, 0.4015,
0.3794

■ 0.4404, 0.5478,
0.4522

■ 85.2201, 0.3368,
0.3440

■ 85.2201, 0.3368,
0.3440

■ 75.8784, 0.3572,
0.3553

■ 95.4835, 0.3192,
0.3332

■ 67.4204, 0.3807,
0.3669

99.9907, 0.3127,
0.3290

■ 59.8219, 0.4073,
0.3781

■ 53.0534, 0.4367,
0.3882

■ 47.0831, 0.4681,
0.3959

■ 41.8769, 0.4998,
0.4000

■ 37.3976, 0.5296,
0.3993

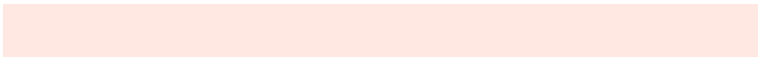
■ 33.6029, 0.5551,
0.3930

■ 31.6581, 0.5679,
0.3873

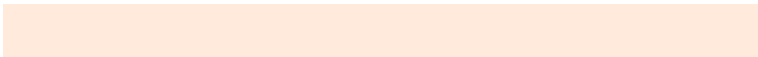
Harmonies

Analogous

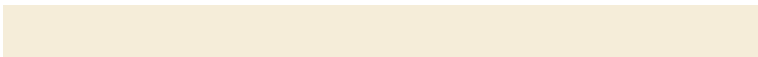
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.2201, 0.3362, 0.3343



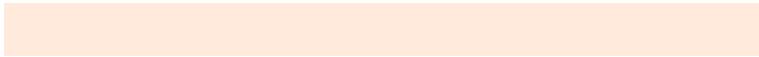
85.2201, 0.3368, 0.3440



85.2201, 0.3309, 0.3500

Triad

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



85.2201, 0.3368, 0.3440



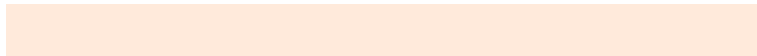
85.2201, 0.2965, 0.3345



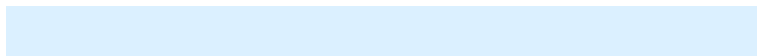
85.2201, 0.3050, 0.3087

Complementary

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



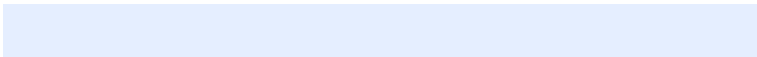
85.2201, 0.3368, 0.3440



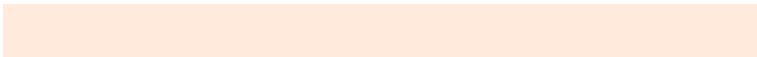
84.5641, 0.2907, 0.3135

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.



85.2201, 0.2947, 0.3084



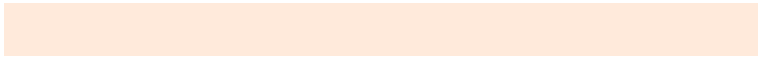
85.2201, 0.3368, 0.3440



85.2201, 0.2898, 0.3230

Square

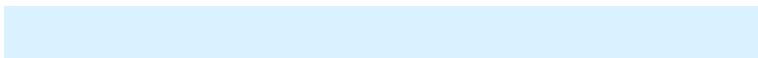
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



85.2201, 0.3368, 0.3440



85.2201, 0.3075, 0.3446



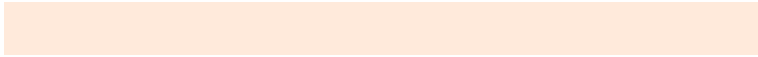
85.2201, 0.2892, 0.3135



85.2201, 0.3176, 0.3142

Rectangle

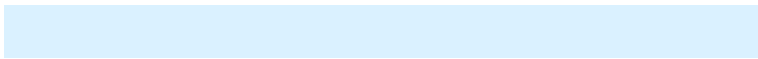
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



85.2201, 0.3368, 0.3440



85.2201, 0.3241, 0.3509



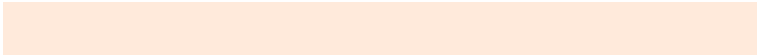
85.2201, 0.2892, 0.3135



85.2201, 0.3012, 0.3080

Sweetspot

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



85.2239, 0.3368, 0.3440



95.6289, 0.3190, 0.3331



78.2098, 0.3244, 0.3083



20.2962, 0.3203, 0.3339



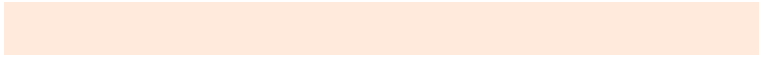
0.0000, 0.0000, 0.0000



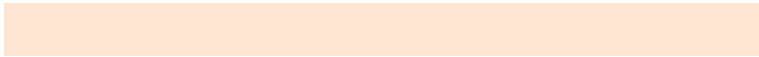
21.4041, 0.3127, 0.3290

Same Dimension

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



85.2239, 0.3368, 0.3440



82.4533, 0.3424, 0.3472



95.9590, 0.3343, 0.3612



19.2336, 0.3284, 0.3390



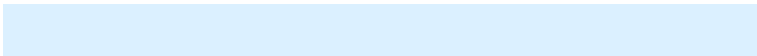
16.8280, 0.5650, 0.3896



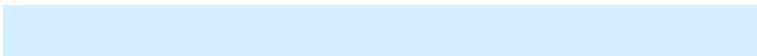
1.8484, 0.5447, 0.4057

Inverse Universe

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



84.5641, 0.2907, 0.3135



81.6726, 0.2861, 0.3100



74.5249, 0.2901, 0.2946



19.1354, 0.2979, 0.3188



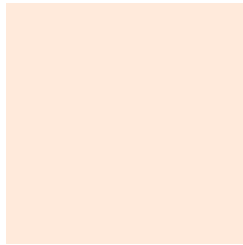
15.2233, 0.1849, 0.1858



1.6982, 0.1899, 0.2036

Previews

White Background



This preview shows how the Yxy color 85.2201, 0.3368, 0.3440 looks on a white background.

Color Contrast Check

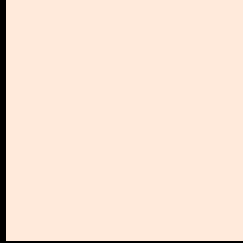
Large Text (above 18pt) WCAG AA × Fail

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 85.2201, 0.3368, 0.3440 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

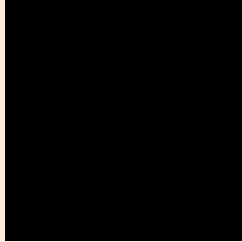
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 85.2201, 0.3368, 0.3440

Background



This preview shows how black text looks on a background with the Yxy color 85.2201, 0.3368, 0.3440.

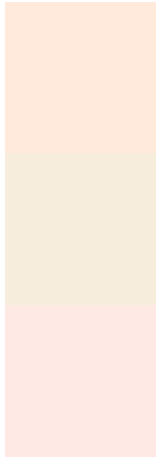


This preview shows how white text looks on a background with the Yxy color 85.2201, 0.3368, 0.3440.

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

85.2201, 0.3368, 0.3440

Protanopia

85.3817, 0.3289, 0.3452

Deuteranopia

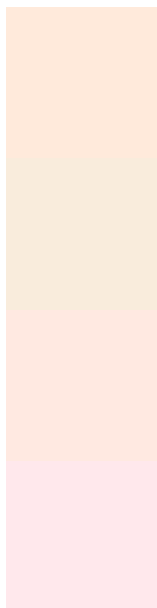
85.1393, 0.3310, 0.3340



Tritanopia

85.0656, 0.3195, 0.3144

Trichromacy



Original Color

85.2201, 0.3368, 0.3440

Protanomaly

85.2979, 0.3317, 0.3452

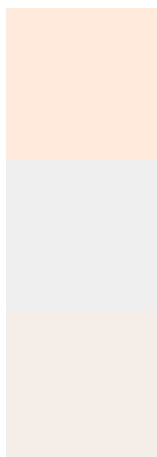
Deuteranomaly

84.9741, 0.3330, 0.3370

Tritanomaly

85.0294, 0.3259, 0.3251

Monochromacy



Original Color

85.2201, 0.3368, 0.3440

Achromatopsia

86.3157, 0.3127, 0.3290

Achromatomaly

85.8070, 0.3212, 0.3340

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.2201, 0.3368, 0.3440 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, 234, 219)` looks like.

```
.text, #text, p{  
    color:rgb(255, 234, 219)  
}
```

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, 234, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 234, 219) }
```

Border

The CSS property to change the border of an element to Yxy 85.2201, 0.3368, 0.3440 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, 234, 219) }
```

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

```
.border{ border-color:rgb(255, 234, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 234, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 234, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 234, 219);  
box-shadow:4px 4px 4px 4px rgb(255, 234,  
219) }
```


Background

The CSS property to change the background color of an element to Yxy 85.2201, 0.3368, 0.3440 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 234, 219) }
```

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

```
.background{ background-color: rgb(255,  
234, 219) }
```

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