

Converting Colors

$Y_{xy}(99.8771, 0.3812, 0.3388)$

Have a look what the booklet for
Yxy(99.8771, 0.3812, 0.3388)
contains.

Yxy(85.3796, 0.3349, 0.3410)	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(85.3796, 0.3349, 0.3410)

Conversions

Conversions Part 1

Format	Color
Hex	FFEADE
RGB	255, 234, 222
RGB Percent	100%, 92%, 87%
CMY	0.0000, 0.0824, 0.1295
CMYK	0.00, 0.08, 0.13, 0.00
HSL	22°, 100%, 94%
HSV	22°, 13%, 100%
XYZ	83.8523, 85.3796, 81.1482
YIQ	238.9110, 16.3680, 0.7200

Conversions

Conversions Part 2

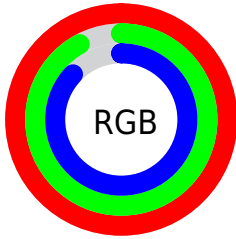
Format	Color
R _Y B	255, 241, 222
Decimal	16771806
CIE Lab	94.05, 5.21, 8.41
CIE LCh	94, 9.887, 58.226
Yxy	85.3796, 0.3349, 0.3410
Android (android.graphics.Color)	4294961886 (0xFFFFEAD E)
YUV	238.9110, -8.3371, 14.1101
Hunter-Lab	92.4011, 0.2836, 12.6113

Details

The Yxy color **85.3796, 0.3349, 0.3410** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **86.8314, 0.2925, 0.3167**, and the grayscale version is **86.2968, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **46.6366, 0.3397, 0.3430** is the 20% darker color. If you saturate the color by 10%, you get **75.2984, 0.3554, 0.3509**, and if you desaturate by 10%, it is **96.5092, 0.3174, 0.3316**.

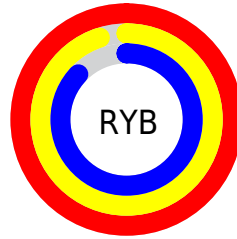
Distribution



Red (100%)

Green (92%)

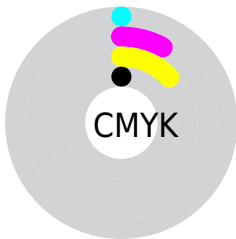
Blue (87%)



Red (100%)

Yellow (95%)

Blue (87%)

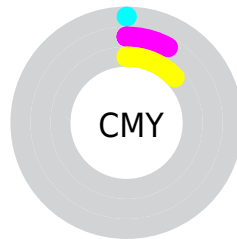


Cyan (0%)

Magenta (8%)

Yellow (13%)

Black (0%)



Cyan (0%)


Magenta (8%)

Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 85.3796, 0.3349, 0.3410 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 85.3796, 0.3349, 0.3410 by changing the saturation by 10% instead.

 85.3796, 0.3349,
0.3410

 85.3796, 0.3349,
0.3410


512.8833, 0.3249,
0.3357

 64.1551, 0.3371,
0.3422


140.9034, 0.3315,
0.3392

 46.7763, 0.3399,
0.3436

175.9715, 0.3301,
0.3385

 32.8588, 0.3433,
0.3453


216.4229, 0.3290,
0.3379

 22.0183, 0.3477,
0.3475

262.6420, 0.3279,
0.3373

 13.8704, 0.3536,
0.3504

315.0132, 0.3270,
0.3368

 8.0306, 0.3618,
0.3544

373.9209, 0.3262,

 4.1145, 0.3742,

0.3364

0.3601

439.7494, 0.3255,
0.3360

■ 1.7378, 0.3948,
0.3690

■ 0.4480, 0.5524,
0.4476

■ 85.3796, 0.3349,
0.3410

■ 85.3796, 0.3349,
0.3410

■ 75.2984, 0.3554,
0.3509

■ 96.5092, 0.3174,
0.3316

■ 66.2388, 0.3794,
0.3610

100.0000, 0.3127,
0.3290

■ 58.1657, 0.4069,
0.3709

■ 51.0436, 0.4378,
0.3798

■ 44.8347, 0.4713,
0.3866

■ 39.4985, 0.5058,
0.3900

■ 34.9904, 0.5386,
0.3889

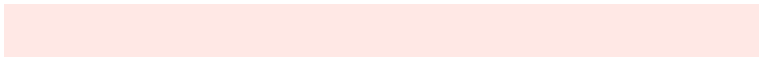
■ 31.2609, 0.5667,
0.3824

■ 29.0627, 0.5830,
0.3753

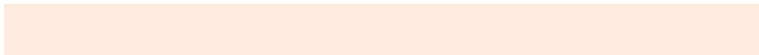
Harmonies

Analogous

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



85.3796, 0.3330, 0.3318



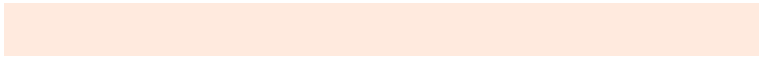
85.3796, 0.3349, 0.3410



85.3796, 0.3307, 0.3473

Triad

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



85.3796, 0.3349, 0.3410



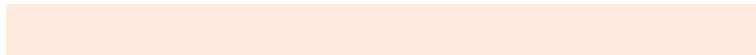
85.3796, 0.2998, 0.3360



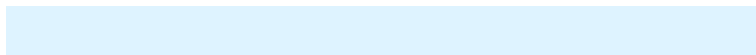
85.3796, 0.3036, 0.3101

Complementary

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



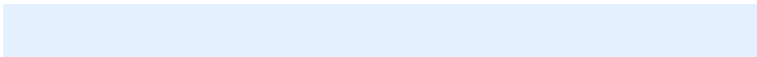
85.3796, 0.3349, 0.3410



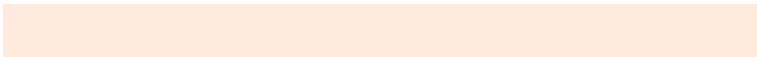
86.8314, 0.2925, 0.3167

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.



85.3796, 0.2949, 0.3109



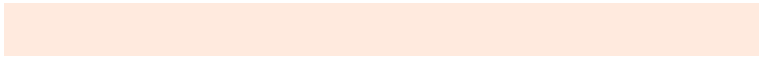
85.3796, 0.3349, 0.3410



85.3796, 0.2928, 0.3257

Square

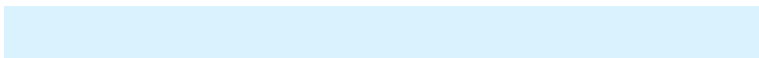
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



85.3796, 0.3349, 0.3410



85.3796, 0.3104, 0.3445



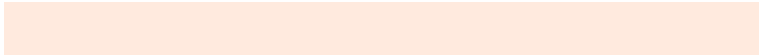
85.3796, 0.2910, 0.3165



85.3796, 0.3148, 0.3142

Rectangle

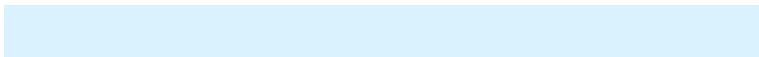
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



85.3796, 0.3349, 0.3410



85.3796, 0.3251, 0.3488



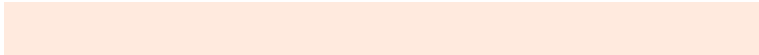
85.3796, 0.2910, 0.3165



85.3796, 0.3003, 0.3098

Sweetspot

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



85.3779, 0.3349, 0.3410



95.2917, 0.3191, 0.3326



79.9865, 0.3218, 0.3079



20.2110, 0.3203, 0.3333



0.0000, 0.0000, 0.0000



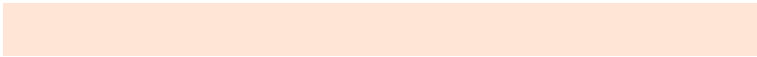
21.4041, 0.3127, 0.3290

Same Dimension

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



85.3779, 0.3349, 0.3410



82.1950, 0.3408, 0.3440



94.9324, 0.3328, 0.3565



19.0699, 0.3285, 0.3377



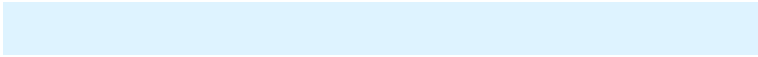
15.4441, 0.5800, 0.3777



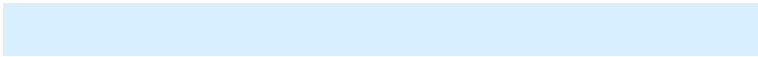
1.7029, 0.5584, 0.3948

Inverse Universe

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



86.8314, 0.2925, 0.3167



83.9511, 0.2877, 0.3135



77.6442, 0.2921, 0.2999



19.3039, 0.2980, 0.3201



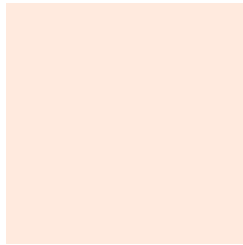
17.5964, 0.1902, 0.2048



1.9214, 0.1946, 0.2206

Previews

White Background



This preview shows how the Yxy color 85.3796, 0.3349, 0.3410 looks on a white background.

Color Contrast Check

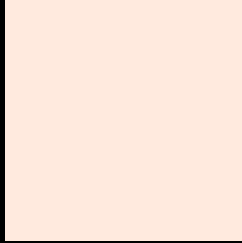
Large Text (above 18pt) WCAG AA × Fail

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 85.3796, 0.3349, 0.3410 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

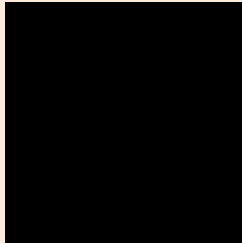
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

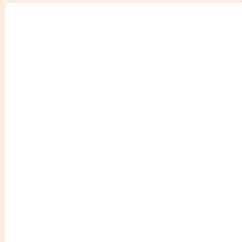
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 85.3796, 0.3349, 0.3410

Background



This preview shows how black text looks on a background with the Yxy color 85.3796, 0.3349, 0.3410.

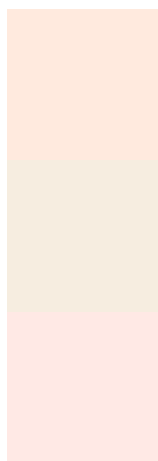


This preview shows how white text looks on a background with the Yxy color 85.3796, 0.3349, 0.3410.

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

85.3796, 0.3349, 0.3410

Protanopia

85.5430, 0.3270, 0.3422

Deuteranopia

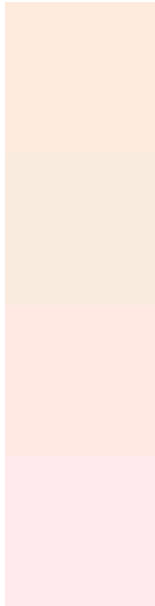
85.1950, 0.3304, 0.3330



Tritanopia

85.6270, 0.3194, 0.3154

Trichromacy



Original Color

85.3796, 0.3349, 0.3410

Protanomaly

85.4584, 0.3298, 0.3421

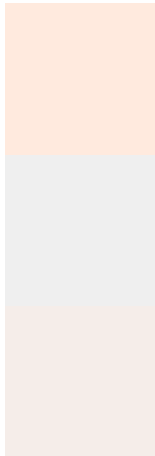
Deuteranomaly

85.0288, 0.3323, 0.3360

Tritanomaly

85.6523, 0.3252, 0.3251

Monochromacy



Original Color

85.3796, 0.3349, 0.3410

Achromatopsia

86.3157, 0.3127, 0.3290

Achromatomaly

85.8640, 0.3206, 0.3330

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.3796, 0.3349, 0.3410 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, 222)` looks like.

```
.text, #text, p{  
    color:rgb(255, 234, 222)  
}
```

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, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 234, 222) }
```

Border

The CSS property to change the border of an element to Yxy 85.3796, 0.3349, 0.3410 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, 222) }
```

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

```
.border{ border-color:rgb(255, 234, 222) }
```

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, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 234, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 234, 222);  
box-shadow:4px 4px 4px 4px rgb(255, 234,  
222) }
```


Background

The CSS property to change the background color of an element to Yxy 85.3796, 0.3349, 0.3410 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, 222) }
```

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

```
.background{ background-color: rgb(255,  
234, 222) }
```

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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