

Converting Colors

$Y_{xy}(85.2715, 0.3281, 0.3360)$

Have a look what the booklet for
Yxy(85.2715, 0.3281, 0.3360)
contains.

Yxy(85.5273, 0.3280, 0.3360)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(85.5273, 0.3280, 0.3360)

Conversions

Conversions Part 1

Format	Color
Hex	FBEBE4
RGB	251, 235, 228
RGB Percent	98%, 92%, 89%
CMY	0.0158, 0.0784, 0.1058
CMYK	0.00, 0.06, 0.09, 0.02
HSL	18°, 74%, 94%
HSV	18°, 9%, 98%
XYZ	83.4909, 85.5273, 85.5273
YIQ	238.9860, 11.7830, 1.2150

Conversions

Conversions Part 2

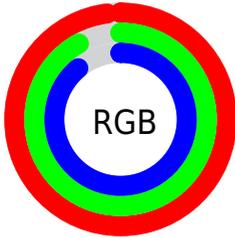
Format	Color
R _Y B	251, 238, 228
Decimal	16509924
CIE Lab	94.11, 4.24, 5.31
CIE LCh	94, 6.797, 51.372
Yxy	85.5273, 0.3280, 0.3360
Android (android.graphics.Color)	4294700004 (0xFFFFBEBE4)
YUV	238.9860, -5.4161, 10.5363
Hunter-Lab	92.4810, -0.6936, 9.9047

Details

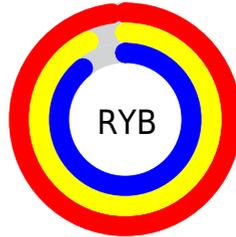
The Yxy color **85.5273, 0.3280, 0.3360** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **88.1571, 0.2985, 0.3219**, and the grayscale version is **86.3422, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **46.7267, 0.3308, 0.3367** is the 20% darker color. If you saturate the color by 10%, you get **74.7245, 0.3477, 0.3442**, and if you desaturate by 10%, it is **97.5211, 0.3114, 0.3284**.

Distribution



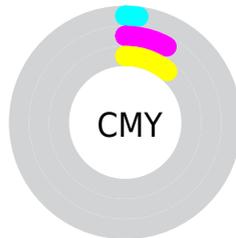
- Red (98%)
- Green (92%)
- Blue (89%)



- Red (98%)
- Yellow (93%)
- Blue (89%)



- Cyan (0%)
- Magenta (6%)
- Yellow (9%)
- Black (2%)



- Cyan (2%)
- Magenta (8%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 85.5273, 0.3280, 0.3360 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 85.5273, 0.3280, 0.3360 by changing the saturation by 10% instead.

 85.5273, 0.3280,
0.3360

 85.5273, 0.3280,
0.3360

513.3713, 0.3211,
0.3329

 64.2772, 0.3295,
0.3367

141.1097, 0.3256,
0.3349

 46.8752, 0.3314,
0.3375

176.2107, 0.3247,
0.3345

 32.9370, 0.3338,
0.3385

216.6974, 0.3239,
0.3342

 22.0782, 0.3368,
0.3398

262.9543, 0.3232,
0.3339

 13.9144, 0.3408,
0.3415

315.3658, 0.3226,
0.3336

 8.0611, 0.3465,
0.3439

374.3161, 0.3220,

 4.1341, 0.3551,

0.3333

0.3473

440.1898, 0.3215,
0.3331

■ 1.7489, 0.3693,
0.3528

■ 0.4550, 0.4807,
0.4080

■ 85.5273, 0.3280,
0.3360

■ 85.5273, 0.3280,
0.3360

■ 74.7245, 0.3477,
0.3442

■ 97.5211, 0.3114,
0.3284

■ 65.0646, 0.3711,
0.3526

■ 99.2440, 0.3102,
0.3290

■ 56.5127, 0.3984,
0.3611

■ 49.0278, 0.4299,
0.3689

■ 42.5662, 0.4649,
0.3752

■ 37.0811, 0.5020,
0.3788

■ 32.5214, 0.5386,
0.3784

■ 28.8309, 0.5711,
0.3734

■ 25.9413, 0.5963,
0.3640

Harmonies

Analogous

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



85.5273, 0.3258, 0.3294



85.5273, 0.3280, 0.3360



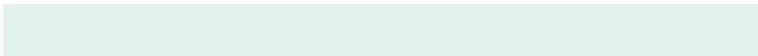
85.5273, 0.3261, 0.3408

Triad

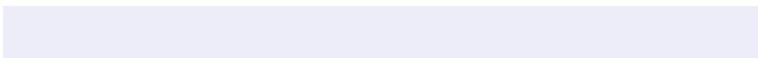
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



85.5273, 0.3280, 0.3360



85.5273, 0.3054, 0.3353



85.5273, 0.3049, 0.3158

Complementary

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



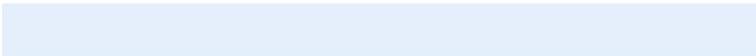
85.5273, 0.3280, 0.3360



88.1571, 0.2985, 0.3219

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.



85.5273, 0.2995, 0.3172



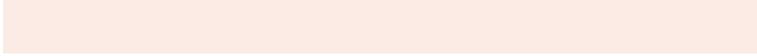
85.5273, 0.3280, 0.3360



85.5273, 0.2998, 0.3284

Square

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



85.5273, 0.3280, 0.3360



85.5273, 0.3129, 0.3406



85.5273, 0.2977, 0.3218



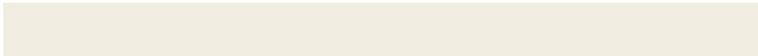
85.5273, 0.3124, 0.3178

Rectangle

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



85.5273, 0.3280, 0.3360



85.5273, 0.3227, 0.3424



85.5273, 0.2977, 0.3218



85.5273, 0.3028, 0.3158

Sweetspot

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



85.5311, 0.3280, 0.3360



96.1685, 0.3175, 0.3312



82.5444, 0.3182, 0.3132



20.3689, 0.3188, 0.3319



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.



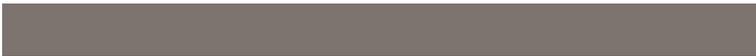
85.5311, 0.3280, 0.3360



86.4994, 0.3314, 0.3375



92.2523, 0.3268, 0.3471



18.0866, 0.3286, 0.3363



13.7498, 0.5953, 0.3655



1.4517, 0.5721, 0.3839

Inverse Universe

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



88.1571, 0.2985, 0.3219



89.7361, 0.2956, 0.3204



81.5241, 0.2985, 0.3102



18.6646, 0.2980, 0.3216



19.9654, 0.1962, 0.2264



2.0359, 0.2000, 0.2401

Previews

White Background



This preview shows how the Yxy color 85.5273, 0.3280, 0.3360 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 85.5273, 0.3280, 0.3360 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

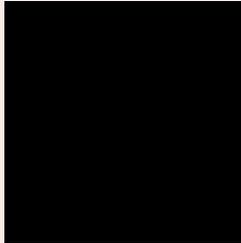
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

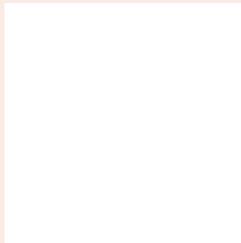
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 85.5273, 0.3280, 0.3360

Background



This preview shows how black text looks on a background with the Yxy color 85.5273, 0.3280, 0.3360.

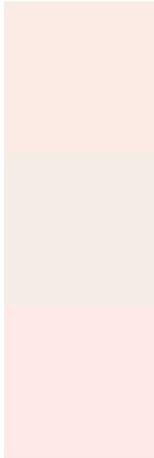


This preview shows how white text looks on a background with the Yxy color 85.5273, 0.3280, 0.3360.

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

85.5273, 0.3280, 0.3360

Protanopia

85.4586, 0.3224, 0.3371

Deuteranopia

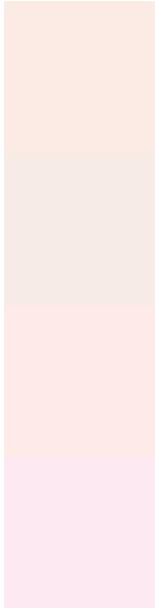
85.3640, 0.3284, 0.3300



Tritanopia

85.6862, 0.3162, 0.3115

Trichromacy



Original Color

85.5273, 0.3280, 0.3360

Protanomaly

85.4222, 0.3245, 0.3361

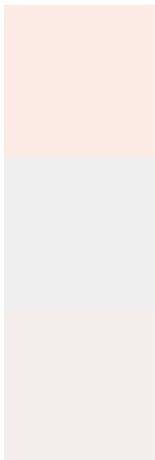
Deuteranomaly

85.6860, 0.3283, 0.3320

Tritanomaly

85.5713, 0.3206, 0.3202

Monochromacy



Original Color

85.5273, 0.3280, 0.3360

Achromatopsia

86.3157, 0.3127, 0.3290

Achromatomaly

86.2019, 0.3179, 0.3320

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.5273, 0.3280, 0.3360 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(251, 235, 228)` looks like.

```
.text, #text, p{  
    color:rgb(251, 235, 228)  
}
```

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(251, 235, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 235, 228) }
```

Border

The CSS property to change the border of an element to Yxy 85.5273, 0.3280, 0.3360 is called "border". The border property can be set on classes, ids or directly on the HTML element.

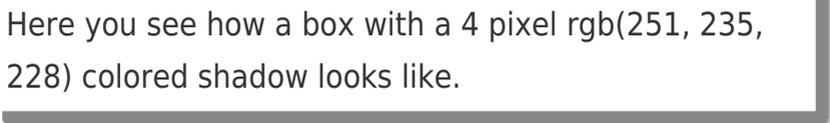
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(251, 235, 228) }
```

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

```
.border{ border-color:rgb(251, 235, 228) }
```

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



Here you see how a box with a 4 pixel `rgb(251, 235, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 235, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 235, 228);  
box-shadow:4px 4px 4px 4px rgb(251, 235,  
228) }
```

Background

The CSS property to change the background color of an element to Yxy 85.5273, 0.3280, 0.3360 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 235, 228) }
```

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

```
.background{ background-color: rgb(251,  
235, 228) }
```

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