

Converting Colors

$Y_{xy}(85.8703, 0.3298, 0.3376)$

Have a look what the booklet for
Yxy(85.8703, 0.3298, 0.3376)
contains.

Yxy(85.6582, 0.3294, 0.3370)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(85.6582, 0.3294, 0.3370)

Conversions

Conversions Part 1

Format	Color
Hex	FCEBE3
RGB	252, 235, 227
RGB Percent	99%, 92%, 89%
CMY	0.0116, 0.0784, 0.1098
CMYK	0.00, 0.07, 0.10, 0.01
HSL	19°, 81%, 94%
HSV	19°, 10%, 99%
XYZ	83.7264, 85.6582, 84.7940
YIQ	239.1710, 12.7000, 1.1160

Conversions

Conversions Part 2

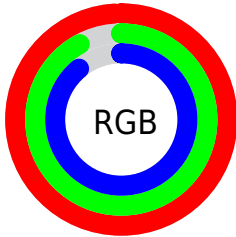
Format	Color
R _Y B	252, 239, 227
Decimal	16575459
CIE Lab	94.17, 4.45, 5.94
CIE LCh	94, 7.419, 53.135
Yxy	85.6582, 0.3294, 0.3370
Android (android.graphics.Color)	4294765539 (0xFFFCBE3)
YUV	239.1710, -6.0003, 11.2510
Hunter-Lab	92.5517, -0.4864, 10.4659

Details

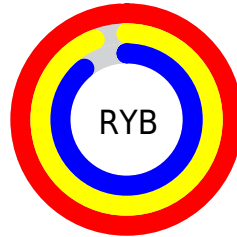
The Yxy color **85.6582, 0.3294, 0.3370** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **88.0849, 0.2973, 0.3209**, and the grayscale version is **86.5020, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **46.8209, 0.3326, 0.3380** is the 20% darker color. If you saturate the color by 10%, you get **75.0175, 0.3493, 0.3456**, and if you desaturate by 10%, it is **97.4572, 0.3126, 0.3289**.

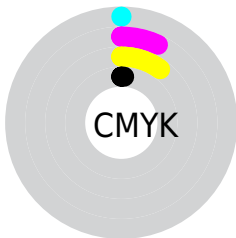
Distribution



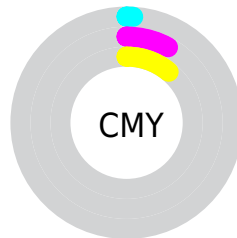
- Red (99%)
- Green (92%)
- Blue (89%)



- Red (99%)
- Yellow (94%)
- Blue (89%)



- Cyan (0%)
- Magenta (7%)
- Yellow (10%)
- Black (1%)





- Cyan (1%)
- Magenta (8%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 85.6582, 0.3294, 0.3370 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 85.6582, 0.3294, 0.3370 by changing the saturation by 10% instead.

 85.6582, 0.3294,
0.3370

 85.6582, 0.3294,
0.3370

513.8035, 0.3219,
0.3335

 64.3854, 0.3311,
0.3378


141.2924, 0.3268,
0.3358

 46.9629, 0.3331,
0.3387


176.4226, 0.3258,
0.3353

 33.0063, 0.3357,
0.3399


216.9407, 0.3249,
0.3349

 22.1313, 0.3390,
0.3414

263.2311, 0.3242,
0.3345

 13.9534, 0.3434,
0.3433

315.6781, 0.3235,
0.3342

 8.0883, 0.3496,
0.3460

374.6663, 0.3229,

 4.1515, 0.3589,

0.3339

0.3499

440.5800, 0.3224,
0.3337

■ 1.7587, 0.3744,
0.3561

■ 0.4612, 0.4994,
0.4210

■ 85.6582, 0.3294,
0.3370

■ 85.6582, 0.3294,
0.3370

■ 75.0175, 0.3493,
0.3456

■ 97.4572, 0.3126,
0.3289

■ 65.4884, 0.3728,
0.3545

■ 99.4413, 0.3109,
0.3290

■ 57.0373, 0.4001,
0.3633

■ 49.6247, 0.4314,
0.3714

■ 43.2086, 0.4661,
0.3779

■ 37.7437, 0.5026,
0.3816

■ 33.1809, 0.5383,
0.3811

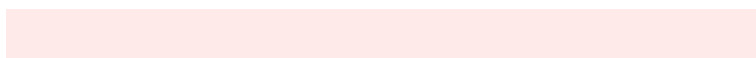
■ 29.4657, 0.5698,
0.3757

■ 26.5299, 0.5944,
0.3661

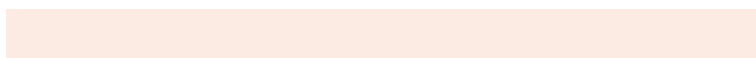
Harmonies

Analogous

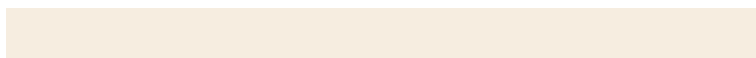
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.6582, 0.3272, 0.3299



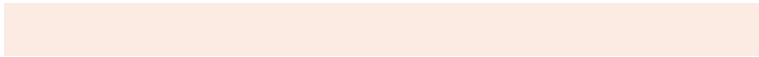
85.6582, 0.3294, 0.3370



85.6582, 0.3270, 0.3421

Triad

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



85.6582, 0.3294, 0.3370



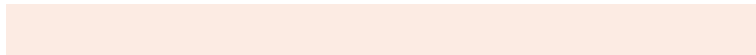
85.6582, 0.3043, 0.3355



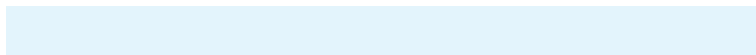
85.6582, 0.3046, 0.3146

Complementary

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



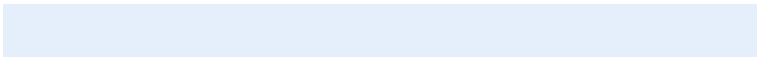
85.6582, 0.3294, 0.3370



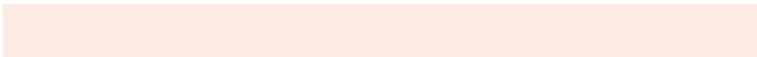
88.0849, 0.2973, 0.3209

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.



85.6582, 0.2986, 0.3159



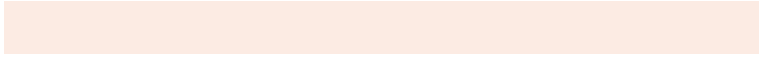
85.6582, 0.3294, 0.3370



85.6582, 0.2984, 0.3279

Square

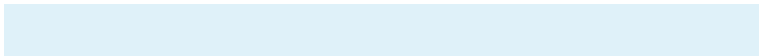
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



85.6582, 0.3294, 0.3370



85.6582, 0.3125, 0.3414



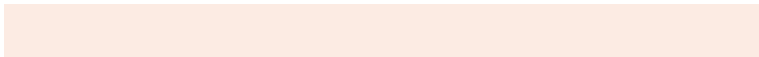
85.6582, 0.2963, 0.3207



85.6582, 0.3128, 0.3171

Rectangle

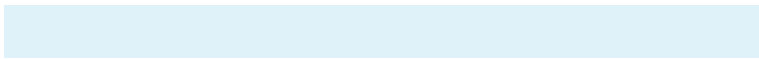
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



85.6582, 0.3294, 0.3370



85.6582, 0.3232, 0.3437



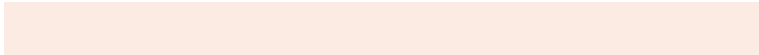
85.6582, 0.2963, 0.3207



85.6582, 0.3022, 0.3146

Sweetspot

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



85.6620, 0.3294, 0.3370



96.2399, 0.3175, 0.3314



82.1785, 0.3190, 0.3122



20.3882, 0.3188, 0.3320



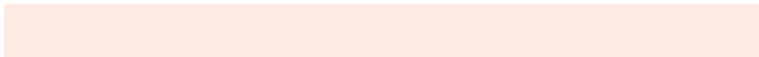
0.0000, 0.0000, 0.0000



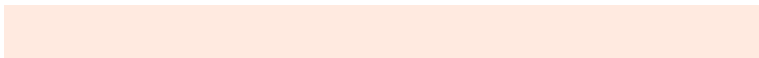
21.4041, 0.3127, 0.3290

Same Dimension

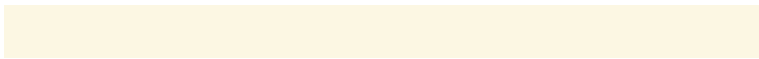
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.6620, 0.3294, 0.3370



85.6082, 0.3333, 0.3387



93.0398, 0.3280, 0.3491



18.1301, 0.3286, 0.3366



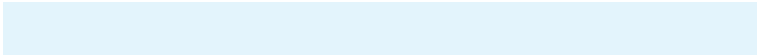
14.0408, 0.5916, 0.3685



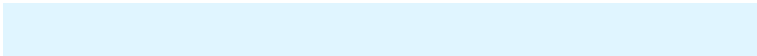
1.4830, 0.5684, 0.3869

Inverse Universe

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



88.0849, 0.2973, 0.3209



88.5731, 0.2941, 0.3191



80.8444, 0.2972, 0.3080



18.6188, 0.2980, 0.3212



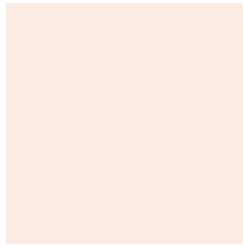
19.2114, 0.1947, 0.2210



1.9705, 0.1987, 0.2354

Previews

White Background



This preview shows how the Yxy color 85.6582, 0.3294, 0.3370 looks on a white background.

Color Contrast Check

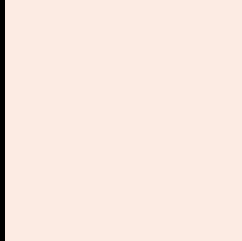
Large Text (above 18pt) WCAG AA × Fail

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 85.6582, 0.3294, 0.3370 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

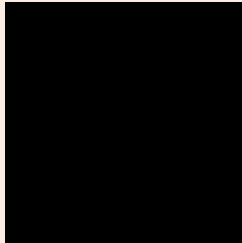
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

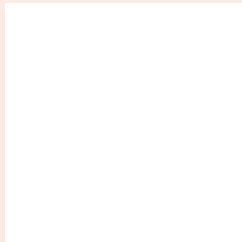
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 85.6582, 0.3294, 0.3370

Background



This preview shows how black text looks on a background with the Yxy color 85.6582, 0.3294, 0.3370.

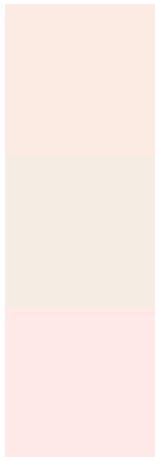


This preview shows how white text looks on a background with the Yxy color 85.6582, 0.3294, 0.3370.

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

85.6582, 0.3294, 0.3370

Protanopia

85.5823, 0.3237, 0.3381

Deuteranopia

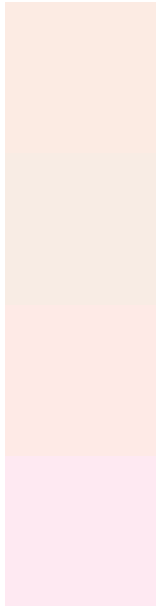
85.3640, 0.3284, 0.3300



Tritanopia

85.8754, 0.3169, 0.3115

Trichromacy



Original Color

85.6582, 0.3294, 0.3370

Protanomaly

85.5488, 0.3259, 0.3371

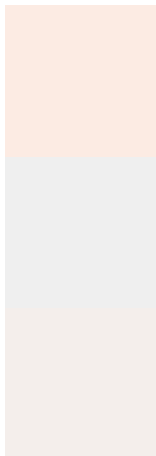
Deuteranomaly

85.6296, 0.3289, 0.3330

Tritanomaly

85.7595, 0.3213, 0.3202

Monochromacy



Original Color

85.6582, 0.3294, 0.3370

Achromatopsia

86.3157, 0.3127, 0.3290

Achromatomaly

86.3803, 0.3186, 0.3320

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.6582, 0.3294, 0.3370 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(252, 235, 227)` looks like.

```
.text, #text, p{  
    color:rgb(252, 235, 227)  
}
```

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(252, 235, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 235, 227) }
```

Border

The CSS property to change the border of an element to Yxy 85.6582, 0.3294, 0.3370 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(252, 235, 227) }
```

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

```
.border{ border-color:rgb(252, 235, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(252, 235, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 235, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 235, 227);  
box-shadow:4px 4px 4px 4px rgb(252, 235,  
227) }
```


Background

The CSS property to change the background color of an element to Yxy 85.6582, 0.3294, 0.3370 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 235, 227) }
```

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

```
.background{ background-color: rgb(252,  
235, 227) }
```

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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