

Converting Colors

$Yxy(84.6759, 0.3353, 0.3536)$

Have a look what the booklet for
Yxy(84.6759, 0.3353, 0.3536)
contains.

Yxy(84.5185, 0.3355, 0.3534)	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(84.5185, 0.3355, 0.3534)

Conversions

Conversions Part 1

Format	Color
Hex	F7ECD4
RGB	247, 236, 212
RGB Percent	97%, 93%, 83%
CMY	0.0314, 0.0745, 0.1684
CMYK	0.00, 0.04, 0.14, 0.03
HSL	41°, 69%, 90%
HSV	41°, 14%, 97%
XYZ	80.2376, 84.5185, 74.4021
YIQ	236.5530, 14.2600, -5.1320

Conversions

Conversions Part 2

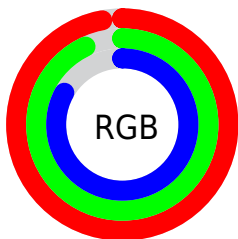
Format	Color
R _Y B	228, 247, 212
Decimal	16248020
CIE Lab	93.68, -0.19, 12.94
CIE LCh	94, 12.937, 90.823
Yxy	84.5185, 0.3355, 0.3534
Android (android.graphics.Color)	4294438100 (0xFFF7ECD4)
YUV	236.5530, -12.1046, 9.1620
Hunter-Lab	91.9339, -5.0942, 16.3704

Details

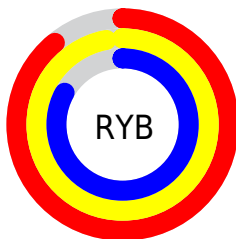
The Yxy color **84.5185, 0.3355, 0.3534** is a light color, and the websafe version is hex FFFFFF. A complement of this color would be **73.5081, 0.2903, 0.3034**, and the grayscale version is **84.4163, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **46.0240, 0.3406, 0.3591** is the 20% darker color. If you saturate the color by 10%, you get **78.9963, 0.3535, 0.3715**, and if you desaturate by 10%, it is **90.4331, 0.3191, 0.3360**.

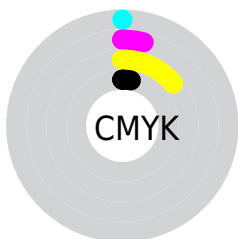
Distribution



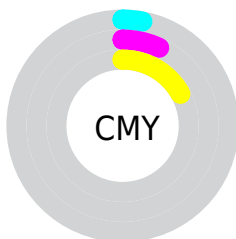
- Red (97%)
- Green (93%)
- Blue (83%)



- Red (89%)
- Yellow (97%)
- Blue (83%)



- Cyan (0%)
- Magenta (4%)
- Yellow (14%)
- Black (3%)





- Cyan (3%)
- Magenta (7%)
- Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 84.5185, 0.3355, 0.3534 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 84.5185, 0.3355, 0.3534 by changing the saturation by 10% instead.


 84.5185, 0.3355,
0.3534

 84.5185, 0.3355,
0.3534


510.0335, 0.3252,
0.3424

 63.4436, 0.3378,
0.3558


139.7003, 0.3320,
0.3496

 46.2002, 0.3406,
0.3588


174.5759, 0.3306,
0.3482

 32.4038, 0.3440,
0.3626


214.8206, 0.3294,
0.3469

 21.6701, 0.3485,
0.3673

260.8187, 0.3284,
0.3458

 13.6147, 0.3544,
0.3737

312.9547, 0.3275,
0.3448

 7.8532, 0.3626,
0.3825

371.6128, 0.3266,

 4.0011, 0.3748,

0.3439

0.3956

437.1776, 0.3259,
0.3431

■ 1.6742, 0.3958,
0.4183

■ 0.4069, 0.4844,
0.5156

■ 84.5185, 0.3355,
0.3534

■ 84.5185, 0.3355,
0.3534

■ 78.9963, 0.3535,
0.3715

■ 90.4331, 0.3191,
0.3360

■ 73.8442, 0.3728,
0.3897

■ 96.3173, 0.3079,
0.3256

■ 69.0542, 0.3931,
0.4073

■ 98.5116, 0.3078,
0.3290

■ 64.6136, 0.4139,
0.4234

■ 60.5087, 0.4342,
0.4368

■ 56.7242, 0.4532,
0.4465

■ 53.2429, 0.4697,
0.4515

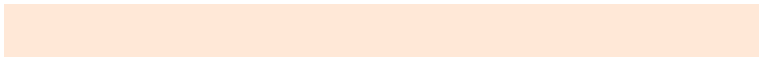
■ 50.0441, 0.4831,
0.4514

■ 48.2862, 0.4897,
0.4494

Harmonies

Analogous

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



84.5185, 0.3417, 0.3455



84.5185, 0.3355, 0.3534



84.5185, 0.3232, 0.3547

Triad

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



84.5185, 0.3355, 0.3534



84.5185, 0.2862, 0.3234



84.5185, 0.3167, 0.3104

Complementary

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



84.5185, 0.3355, 0.3534



73.5081, 0.2903, 0.3034

Split Complementary

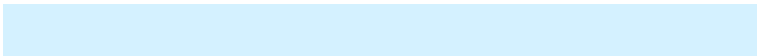
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



84.5185, 0.3018, 0.3046



84.5185, 0.3355, 0.3534



84.5185, 0.2845, 0.3116

Square

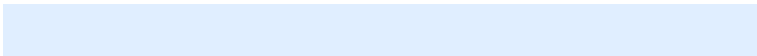
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



84.5185, 0.3355, 0.3534



84.5185, 0.2948, 0.3371



84.5185, 0.2902, 0.3049



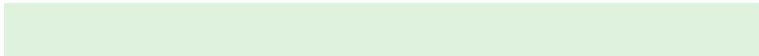
84.5185, 0.3307, 0.3209

Rectangle

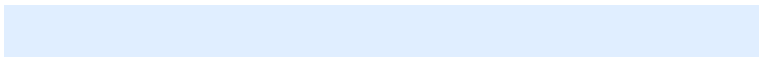
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



84.5185, 0.3355, 0.3534



84.5185, 0.3133, 0.3515



84.5185, 0.2902, 0.3049



84.5185, 0.3116, 0.3078

Sweetspot

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



84.5222, 0.3355, 0.3534



97.3323, 0.3188, 0.3357



72.2159, 0.3310, 0.3177



20.7274, 0.3200, 0.3370



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.



84.5222, 0.3355, 0.3534



89.1302, 0.3405, 0.3586



89.8959, 0.3296, 0.3646



18.3838, 0.3276, 0.3452



25.8060, 0.4882, 0.4506



2.4516, 0.4774, 0.4591

Inverse Universe

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



73.5081, 0.2903, 0.3034



75.1630, 0.2855, 0.2976



68.8004, 0.2943, 0.2918



16.7764, 0.2980, 0.3123



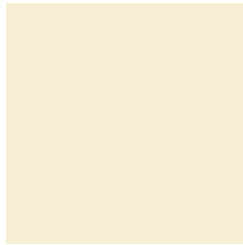
6.6280, 0.1620, 0.1031



0.7588, 0.1688, 0.1276

Previews

White Background



This preview shows how the Yxy color 84.5185, 0.3355, 0.3534 looks on a white background.

Color Contrast Check

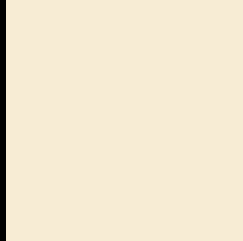
Large Text (above 18pt) WCAG AA × Fail

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 84.5185, 0.3355, 0.3534 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

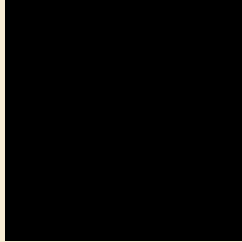
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

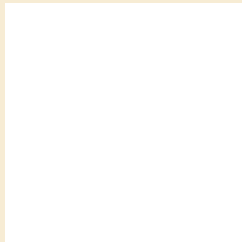
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 84.5185, 0.3355, 0.3534

Background



This preview shows how black text looks on a background with the Yxy color 84.5185, 0.3355, 0.3534.

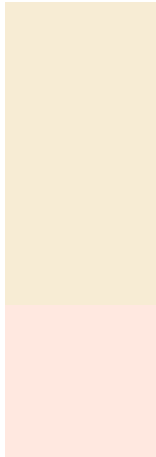


This preview shows how white text looks on a background with the Yxy color 84.5185, 0.3355, 0.3534.

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

84.5185, 0.3355, 0.3534

Protanopia

84.5185, 0.3355, 0.3534

Deuteranopia

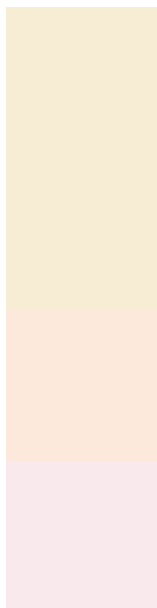
84.3550, 0.3338, 0.3370



Tritanopia

84.6868, 0.3156, 0.3114

Trichromacy



Original Color

84.5185, 0.3355, 0.3534

Protanomaly

84.5185, 0.3355, 0.3534

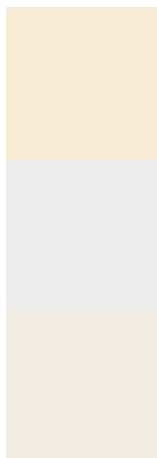
Deuteranomaly

84.1406, 0.3342, 0.3421

Tritanomaly

84.6579, 0.3224, 0.3260

Monochromacy



Original Color

84.5185, 0.3355, 0.3534

Achromatopsia

84.6873, 0.3127, 0.3290

Achromatomaly

84.8706, 0.3210, 0.3382

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.5185, 0.3355, 0.3534 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(247, 236, 212)` looks like.

```
.text, #text, p{  
    color:rgb(247, 236, 212)  
}
```

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(247, 236, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 236, 212) }
```

Border

The CSS property to change the border of an element to Yxy 84.5185, 0.3355, 0.3534 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(247, 236, 212) }
```

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

```
.border{ border-color:rgb(247, 236, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(247, 236, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 236, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 236, 212);  
box-shadow:4px 4px 4px 4px rgb(247, 236,  
212) }
```


Background

The CSS property to change the background color of an element to Yxy 84.5185, 0.3355, 0.3534 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 236, 212) }
```

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

```
.background{ background-color: rgb(247,  
236, 212) }
```

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