

Converting Colors

$Yxy(84.9979, 0.3453, 0.3588)$

Have a look what the booklet for
Yxy(84.9979, 0.3453, 0.3588)
contains.

Yxy(84.8953, 0.3453, 0.3592)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(84.8953, 0.3453, 0.3592)

Conversions

Conversions Part 1

Format	Color
Hex	FEEBCD
RGB	254, 235, 205
RGB Percent	100%, 92%, 80%
CMY	0.0038, 0.0785, 0.1961
CMYK	0.00, 0.07, 0.19, 0.00
HSL	37°, 96%, 90%
HSV	37°, 19%, 100%
XYZ	81.6101, 84.8953, 69.8401
YIQ	237.2610, 20.9540, -5.3020

Conversions

Conversions Part 2

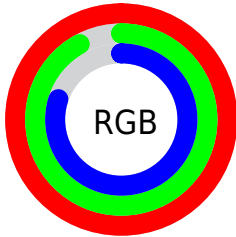
Format	Color
R _Y B	236, 254, 205
Decimal	16706509
CIE Lab	93.84, 1.79, 16.89
CIE LCh	94, 16.988, 83.945
Yxy	84.8953, 0.3453, 0.3592
Android (android.graphics.Color)	4294896589 (0xFFFEBCD)
YUV	237.2610, -15.9047, 14.6801
Hunter-Lab	92.1386, -3.1396, 19.5559

Details

The Yxy color $84.8953, 0.3453, 0.3592$ is a light color, and the websafe version is hex `FFFFCC`. A complement of this color would be $73.4691, 0.2818, 0.2968$, and the grayscale version is $85.0178, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $46.3449, 0.3524, 0.3651$ is the 20% darker color. If you saturate the color by 10%, you get $78.2777, 0.3649, 0.3756$, and if you desaturate by 10%, it is $92.0329, 0.3275, 0.3432$.

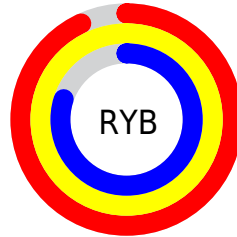
Distribution



Red (100%)

Green (92%)

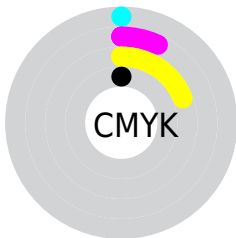
Blue (80%)



Red (93%)

Yellow (100%)

Blue (80%)

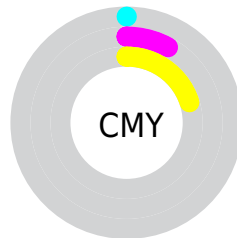


Cyan (0%)

Magenta (7%)

Yellow (19%)

Black (0%)



Cyan (0%)

Magenta (8%)

Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 84.8953, 0.3453, 0.3592 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 84.8953, 0.3453, 0.3592 by changing the saturation by 10% instead.

 84.8953, 0.3453,
0.3592

 84.8953, 0.3453,
0.3592

511.2816, 0.3306,
0.3457

 63.7549, 0.3486,
0.3622


140.2269, 0.3403,
0.3546

 46.4522, 0.3525,
0.3658


175.1868, 0.3383,
0.3528

 32.6028, 0.3575,
0.3703


215.5221, 0.3366,
0.3512

 21.8223, 0.3638,
0.3760

261.6170, 0.3351,
0.3498

 13.7264, 0.3722,
0.3836

313.8560, 0.3338,
0.3486

 7.9306, 0.3838,
0.3938

372.6235, 0.3326,

 4.0506, 0.4006,

0.3475

0.4086

438.3039, 0.3316,
0.3466

■ 1.7019, 0.4351,
0.4392

■ 0.4249, 0.5130,
0.4870

■ 84.8953, 0.3453,
0.3592

■ 84.8953, 0.3453,
0.3592

■ 78.2777, 0.3649,
0.3756

■ 92.0329, 0.3275,
0.3432

■ 72.1540, 0.3862,
0.3919

99.6411, 0.3121,
0.3287

■ 66.5126, 0.4089,
0.4073

99.8177, 0.3121,
0.3290

■ 61.3368, 0.4321,
0.4208

■ 56.6084, 0.4549,
0.4310

■ 52.3073, 0.4762,
0.4369

■ 48.4107, 0.4945,
0.4376

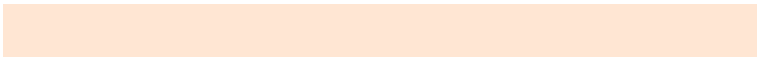
■ 44.8863, 0.5096,
0.4332

■ 44.6524, 0.5106,
0.4328

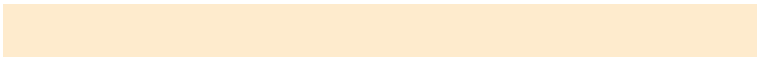
Harmonies

Analogous

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



84.8953, 0.3513, 0.3471



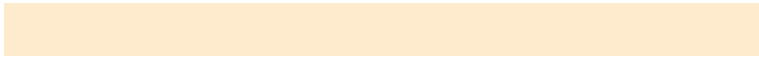
84.8953, 0.3453, 0.3592



84.8953, 0.3305, 0.3634

Triad

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



84.8953, 0.3453, 0.3592



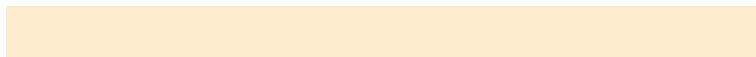
84.8953, 0.2799, 0.3255



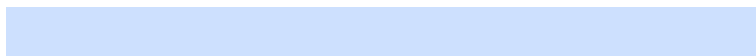
84.8953, 0.3132, 0.3025

Complementary

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



84.8953, 0.3453, 0.3592



73.4691, 0.2818, 0.2968

Split Complementary

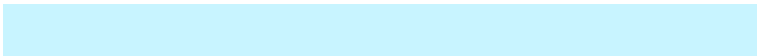
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



84.8953, 0.2944, 0.2966



84.8953, 0.3453, 0.3592



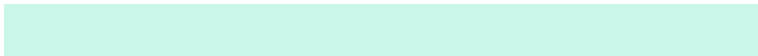
84.8953, 0.2756, 0.3091

Square

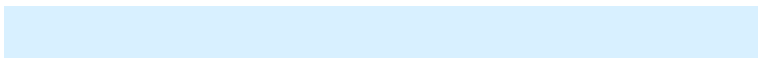
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



84.8953, 0.3453, 0.3592



84.8953, 0.2928, 0.3436



84.8953, 0.2808, 0.2988



84.8953, 0.3325, 0.3149

Rectangle

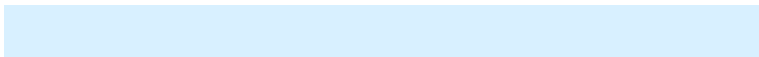
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



84.8953, 0.3453, 0.3592



84.8953, 0.3179, 0.3607



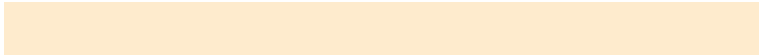
84.8953, 0.2808, 0.2988



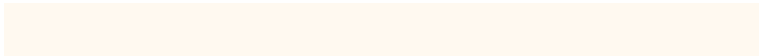
84.8953, 0.3066, 0.2997

Sweetspot

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



84.8991, 0.3453, 0.3592



95.3214, 0.3221, 0.3381



70.1544, 0.3361, 0.3092



20.2962, 0.3232, 0.3391



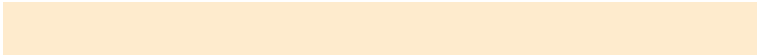
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



84.8991, 0.3453, 0.3592



83.1024, 0.3523, 0.3653



95.4784, 0.3386, 0.3778



19.8369, 0.3279, 0.3435



23.8289, 0.5087, 0.4343



2.5324, 0.4957, 0.4446

Inverse Universe

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



73.4691, 0.2818, 0.2968



69.7302, 0.2755, 0.2898



64.5068, 0.2838, 0.2762



18.5344, 0.2979, 0.3141



8.7051, 0.1674, 0.1225



1.0521, 0.1736, 0.1449

Previews

White Background



This preview shows how the Yxy color 84.8953, 0.3453, 0.3592 looks on a white background.

Color Contrast Check

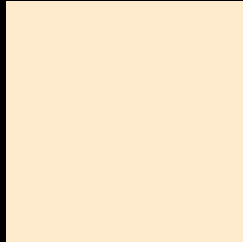
Large Text (above 18pt) WCAG AA × Fail

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 84.8953, 0.3453, 0.3592 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

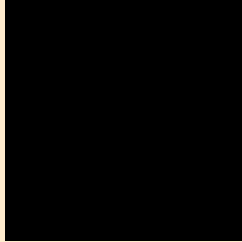
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 84.8953, 0.3453, 0.3592

Background



This preview shows how black text looks on a background with the Yxy color 84.8953, 0.3453, 0.3592.

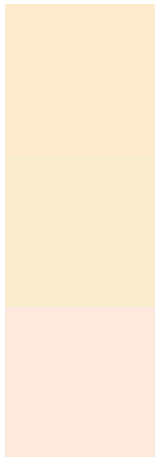


This preview shows how white text looks on a background with the Yxy color 84.8953, 0.3453, 0.3592.

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

84.8953, 0.3453, 0.3592

Protanopia

85.1643, 0.3407, 0.3605

Deuteranopia

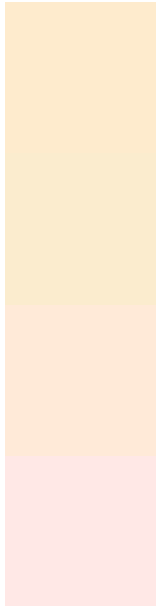
84.8655, 0.3343, 0.3390



Tritanopia

85.0044, 0.3202, 0.3154

Trichromacy



Original Color

84.8953, 0.3453, 0.3592

Protanomaly

84.9564, 0.3423, 0.3594

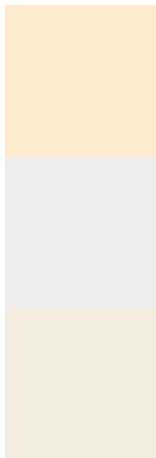
Deuteranomaly

85.0635, 0.3388, 0.3470

Tritanomaly

84.6864, 0.3298, 0.3310

Monochromacy



Original Color

84.8953, 0.3453, 0.3592

Achromatopsia

84.6873, 0.3127, 0.3290

Achromatomaly

84.4818, 0.3244, 0.3402

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.8953, 0.3453, 0.3592 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(254, 235, 205)` looks like.

```
.text, #text, p{  
    color:rgb(254, 235, 205)  
}
```

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(254, 235, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 235, 205) }
```

Border

The CSS property to change the border of an element to Yxy 84.8953, 0.3453, 0.3592 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(254, 235, 205) }
```

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

```
.border{ border-color:rgb(254, 235, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(254, 235, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 235, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 235, 205);  
box-shadow:4px 4px 4px 4px rgb(254, 235,  
205) }
```


Background

The CSS property to change the background color of an element to Yxy 84.8953, 0.3453, 0.3592 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 235, 205) }
```

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

```
.background{ background-color: rgb(254,  
235, 205) }
```

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