

Converting Colors

$Y_{xy}(85.6998, 0.3621, 0.3626)$

Have a look what the booklet for
Yxy(85.6998, 0.3621, 0.3626)
contains.

Yxy(83.0044, 0.3520, 0.3644)	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(83.0044, 0.3520, 0.3644)

Conversions

Conversions Part 1

Format	Color
Hex	FFE8C5
RGB	255, 232, 197
RGB Percent	100%, 91%, 77%
CMY	0.0000, 0.0902, 0.2276
CMYK	0.00, 0.09, 0.23, 0.00
HSL	36°, 100%, 89%
HSV	36°, 23%, 100%
XYZ	80.1799, 83.0044, 64.5995
YIQ	234.8870, 24.9430, -6.0090

Conversions

Conversions Part 2

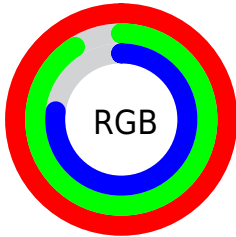
Format	Color
R _Y B	235, 255, 197
Decimal	16771269
CIE Lab	93.02, 2.54, 19.90
CIE LCh	93, 20.065, 82.725
Yxy	83.0044, 0.3520, 0.3644
Android (android.graphics.Color)	4294961349 (0xFFFFE8C5)
YUV	234.8870, -18.6783, 17.6391
Hunter-Lab	91.1068, -2.3452, 21.7350

Details

The Yxy color **83.0044, 0.3520, 0.3644** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **70.2573, 0.2759, 0.2908**, and the grayscale version is **83.1138, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.9358, 0.3133, 0.3300**, and **45.0396, 0.3612, 0.3717** is the 20% darker color. If you saturate the color by 10%, you get **76.4031, 0.3723, 0.3807**, and if you desaturate by 10%, it is **90.1266, 0.3335, 0.3484**.

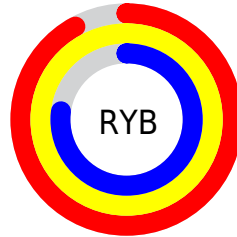
Distribution



Red (100%)

Green (91%)

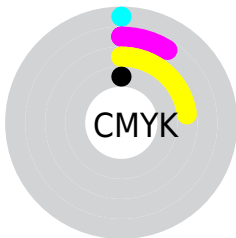
Blue (77%)



Red (92%)

Yellow (100%)

Blue (77%)

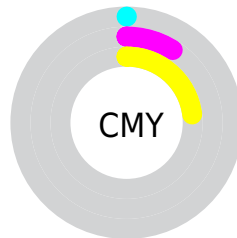


Cyan (0%)

Magenta (9%)

Yellow (23%)

Black (0%)



Cyan (0%)


Magenta (9%)

Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 83.0044, 0.3520, 0.3644 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 83.0044, 0.3520, 0.3644 by changing the saturation by 10% instead.


 83.0044, 0.3520,
0.3644

 83.0044, 0.3520,
0.3644

505.0012, 0.3342,
0.3485

 62.1938, 0.3559,
0.3679


137.5816, 0.3459,
0.3590

 45.1893, 0.3608,
0.3721


172.1170, 0.3435,
0.3569

 31.6066, 0.3668,
0.3774

211.9961, 0.3415,
0.3550

 21.0612, 0.3745,
0.3841

257.6033, 0.3397,
0.3534

 13.1687, 0.3846,
0.3928

309.3231, 0.3381,
0.3520

 7.5448, 0.3986,
0.4046

367.5397, 0.3366,

 3.8051, 0.4187,

0.3507

0.4212

432.6376, 0.3354,
0.3496

■ 1.5651, 0.4756,
0.4710

■ 0.3339, 0.5319,
0.4681

■ 83.0044, 0.3520,
0.3644

■ 83.0044, 0.3520,
0.3644

■ 76.4031, 0.3723,
0.3807

■ 90.1266, 0.3335,
0.3484

■ 70.3135, 0.3943,
0.3966

■ 97.7904, 0.3169,
0.3331

■ 64.7170, 0.4175,
0.4112

100.0000, 0.3127,
0.3290

■ 59.5961, 0.4411,
0.4235

■ 54.9315, 0.4639,
0.4323

■ 50.7017, 0.4846,
0.4362

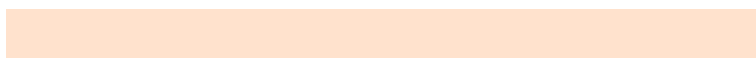
■ 46.8815, 0.5022,
0.4348

■ 44.3470, 0.5129,
0.4309

Harmonies

Analogous

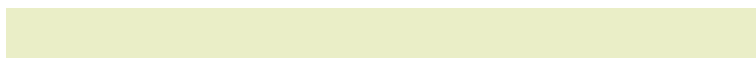
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.0044, 0.3587, 0.3496



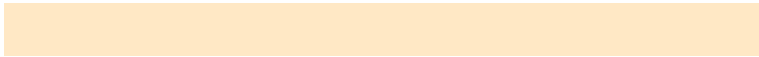
83.0044, 0.3520, 0.3644



83.0044, 0.3346, 0.3701

Triad

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



83.0044, 0.3520, 0.3644



83.0044, 0.2743, 0.3256



83.0044, 0.3123, 0.2972

Complementary

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



83.0044, 0.3520, 0.3644



70.2573, 0.2759, 0.2908

Split Complementary

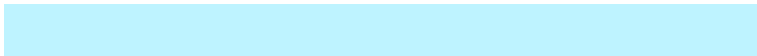
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



83.0044, 0.2901, 0.2906



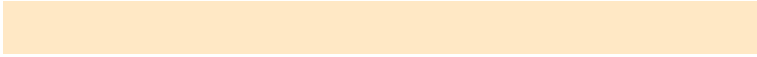
83.0044, 0.3520, 0.3644



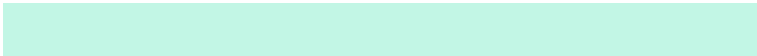
83.0044, 0.2688, 0.3059

Square

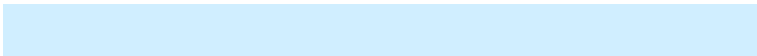
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



83.0044, 0.3520, 0.3644



83.0044, 0.2898, 0.3472



83.0044, 0.2744, 0.2934



83.0044, 0.3353, 0.3115

Rectangle

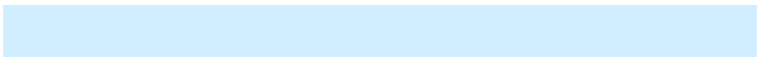
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



83.0044, 0.3520, 0.3644



83.0044, 0.3196, 0.3673



83.0044, 0.2744, 0.2934



83.0044, 0.3045, 0.2940

Sweetspot

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



83.0023, 0.3520, 0.3644



94.4718, 0.3237, 0.3395



66.3557, 0.3413, 0.3055



20.1215, 0.3247, 0.3404



0.0000, 0.0000, 0.0000



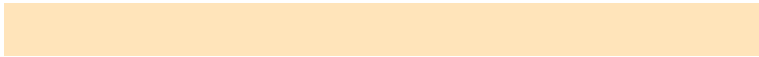
21.4041, 0.3127, 0.3290

Same Dimension

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



83.0023, 0.3520, 0.3644



80.1390, 0.3604, 0.3713



95.7258, 0.3433, 0.3868



19.8115, 0.3279, 0.3433



23.4720, 0.5110, 0.4325



2.4989, 0.4977, 0.4431

Inverse Universe

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



70.2573, 0.2759, 0.2908



65.4879, 0.2686, 0.2826



59.8033, 0.2778, 0.2655



18.5591, 0.2979, 0.3143



8.9147, 0.1680, 0.1248



1.0741, 0.1742, 0.1472

Previews

White Background



This preview shows how the Yxy color 83.0044, 0.3520, 0.3644 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 83.0044, 0.3520, 0.3644 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

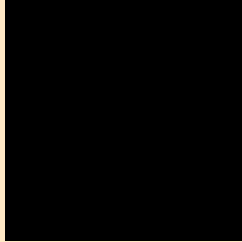
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 83.0044, 0.3520, 0.3644

Background



This preview shows how black text looks on a background with the Yxy color 83.0044, 0.3520, 0.3644.

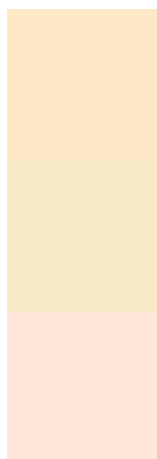


This preview shows how white text looks on a background with the Yxy color 83.0044, 0.3520, 0.3644.

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

83.0044, 0.3520, 0.3644

Protanopia

82.8793, 0.3458, 0.3659

Deuteranopia

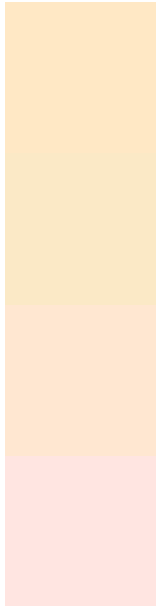
82.8115, 0.3394, 0.3431



Tritanopia

83.0977, 0.3230, 0.3163

Trichromacy



Original Color

83.0044, 0.3520, 0.3644

Protanomaly

82.8643, 0.3482, 0.3647

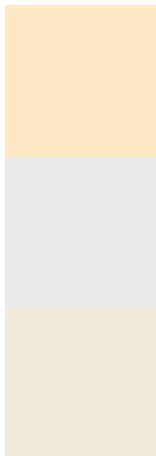
Deuteranomaly

83.0153, 0.3440, 0.3512

Tritanomaly

82.7349, 0.3335, 0.3330

Monochromacy



Original Color

83.0044, 0.3520, 0.3644

Achromatopsia

83.0770, 0.3127, 0.3290

Achromatomaly

82.9433, 0.3264, 0.3423

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.0044, 0.3520, 0.3644 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, 232, 197)` looks like.

```
.text, #text, p{  
    color:rgb(255, 232, 197)  
}
```

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, 232, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 232, 197) }
```

Border

The CSS property to change the border of an element to Yxy 83.0044, 0.3520, 0.3644 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, 232, 197) }
```

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

```
.border{ border-color:rgb(255, 232, 197) }
```

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

Here you see how a box with a 4 pixel rgb(255, 232, 197) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 232, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 232, 197);  
box-shadow:4px 4px 4px 4px rgb(255, 232,  
197) }
```


Background

The CSS property to change the background color of an element to Yxy 83.0044, 0.3520, 0.3644 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 232, 197) }
```

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

```
.background{ background-color: rgb(255,  
232, 197) }
```

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