

Converting Colors

$Yxy(83.5376, 0.3438, 0.3520)$

Have a look what the booklet for
Yxy(83.5376, 0.3438, 0.3520)
contains.

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Color

Yxy(83.5767, 0.3438, 0.3521)

Conversions

Conversions Part 1

Format	Color
Hex	FFE8D1
RGB	255, 232, 209
RGB Percent	100%, 91%, 82%
CMY	0.0000, 0.0902, 0.1802
CMYK	0.00, 0.09, 0.18, 0.00
HSL	30°, 100%, 91%
HSV	30°, 18%, 100%
XYZ	81.6066, 83.5767, 72.1831
YIQ	236.2550, 21.0910, -2.2770

Conversions

Conversions Part 2

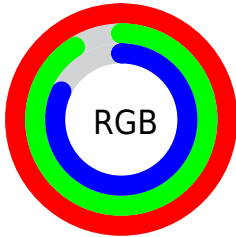
Format	Color
R_{YB}	255, 255, 209
Decimal	16771281
CIE _{Lab}	93.27, 4.25, 14.00
CIE _{LCh}	93, 14.631, 73.117
Yxy	83.5767, 0.3438, 0.3521
Android (android.graphics.Color)	4294961361 (0xFFFFE8D1)
YUV	236.2550, -13.4367, 16.4394
Hunter-Lab	91.4203, -0.6470, 17.1803

Details

The Yxy color **83.5767, 0.3438, 0.3521** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **78.5125, 0.2842, 0.3048**, and the grayscale version is **84.1827, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.4230, 0.3506, 0.3561** is the 20% darker color. If you saturate the color by 10%, you get **75.4932, 0.3645, 0.3657**, and if you desaturate by 10%, it is **92.3911, 0.3256, 0.3390**.

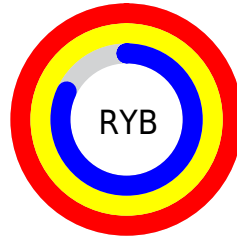
Distribution



Red (100%)

Green (91%)

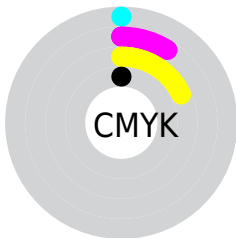
Blue (82%)



Red (100%)

Yellow (100%)

Blue (82%)

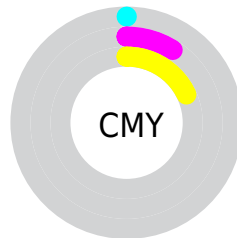


Cyan (0%)

Magenta (9%)

Yellow (18%)

Black (0%)



Cyan (0%)


Magenta (9%)

Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 83.5767, 0.3438, 0.3521 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 83.5767, 0.3438, 0.3521 by changing the saturation by 10% instead.


 83.5767, 0.3438,
0.3521

 83.5767, 0.3438,
0.3521


506.9065, 0.3297,
0.3418

 62.6660, 0.3469,
0.3544

138.3829, 0.3390,
0.3486

 45.5711, 0.3508,
0.3571

173.0472, 0.3371,
0.3472

 31.9075, 0.3556,
0.3605


213.0648, 0.3354,
0.3460

 21.2908, 0.3618,
0.3649

258.8201, 0.3340,
0.3450

 13.3368, 0.3701,
0.3706

310.6976, 0.3327,
0.3440

 7.6608, 0.3816,
0.3784

369.0815, 0.3316,

 3.8787, 0.3988,

0.3432

0.3895

434.3564, 0.3306,
0.3425

■ 1.6059, 0.4309,
0.4105

■ 0.3616, 0.5530,
0.4470

■ 83.5767, 0.3438,
0.3521

■ 83.5767, 0.3438,
0.3521

■ 75.4932, 0.3645,
0.3657

■ 92.3911, 0.3256,
0.3390

■ 68.1089, 0.3876,
0.3793

99.9978, 0.3127,
0.3290

■ 61.4057, 0.4131,
0.3922

■ 55.3605, 0.4403,
0.4035

■ 49.9485, 0.4682,
0.4119

■ 45.1428, 0.4953,
0.4160

■ 40.9130, 0.5197,
0.4148

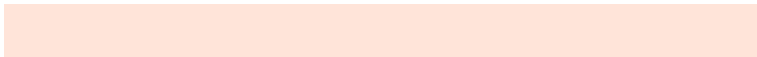
■ 37.2224, 0.5399,
0.4082

■ 36.5466, 0.5437,
0.4065

Harmonies

Analogous

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



83.5767, 0.3457, 0.3400



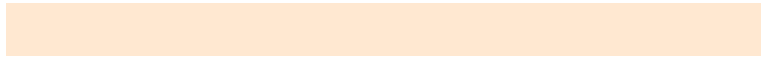
83.5767, 0.3438, 0.3521



83.5767, 0.3335, 0.3584

Triad

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



83.5767, 0.3438, 0.3521



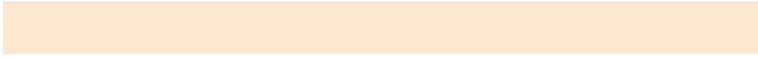
83.5767, 0.2876, 0.3318



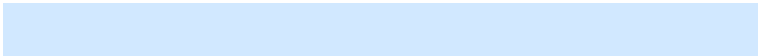
83.5767, 0.3070, 0.3033

Complementary

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



83.5767, 0.3438, 0.3521



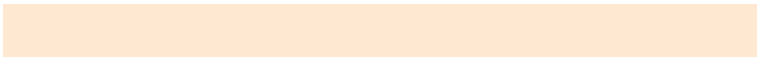
78.5125, 0.2842, 0.3048

Split Complementary

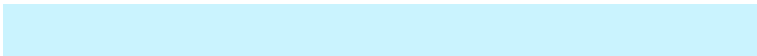
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



83.5767, 0.2919, 0.3007



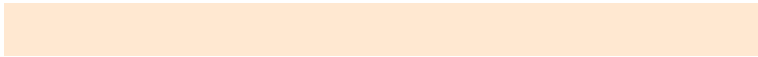
83.5767, 0.3438, 0.3521



83.5767, 0.2809, 0.3166

Square

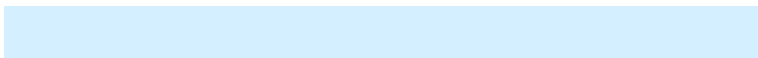
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



83.5767, 0.3438, 0.3521



83.5767, 0.3009, 0.3466



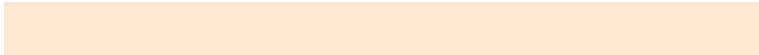
83.5767, 0.2824, 0.3053



83.5767, 0.3241, 0.3123

Rectangle

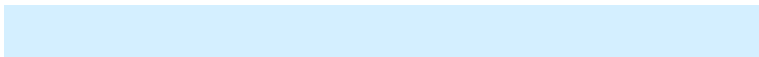
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



83.5767, 0.3438, 0.3521



83.5767, 0.3233, 0.3581



83.5767, 0.2824, 0.3053



83.5767, 0.3016, 0.3016

Sweetspot

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



83.5804, 0.3438, 0.3521



95.2035, 0.3206, 0.3352



72.7537, 0.3304, 0.3053



20.2364, 0.3217, 0.3361



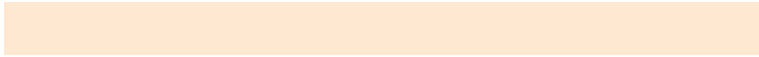
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



83.5804, 0.3438, 0.3521



80.2814, 0.3517, 0.3575



96.8887, 0.3401, 0.3733



19.4869, 0.3282, 0.3409



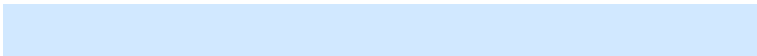
19.3969, 0.5411, 0.4085



2.1070, 0.5235, 0.4225

Inverse Universe

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



78.5125, 0.2842, 0.3048



74.2676, 0.2777, 0.2987



66.7835, 0.2829, 0.2805



18.8793, 0.2979, 0.3168



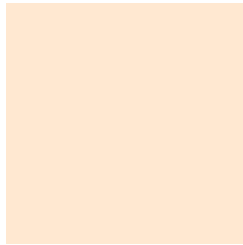
12.0795, 0.1771, 0.1575



1.3946, 0.1828, 0.1780

Previews

White Background



This preview shows how the Yxy color 83.5767, 0.3438, 0.3521 looks on a white background.

Color Contrast Check

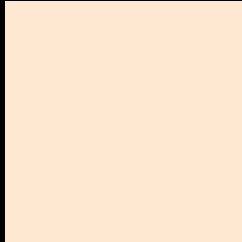
Large Text (above 18pt) WCAG AA × Fail

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 83.5767, 0.3438, 0.3521 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

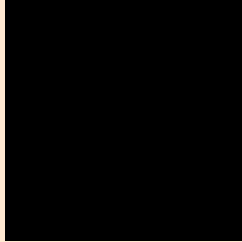
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 83.5767, 0.3438, 0.3521

Background



This preview shows how black text looks on a background with the Yxy color 83.5767, 0.3438, 0.3521.

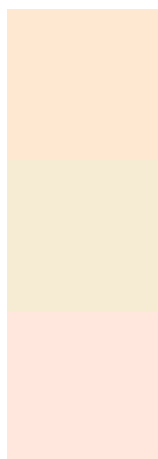


This preview shows how white text looks on a background with the Yxy color 83.5767, 0.3438, 0.3521.

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

83.5767, 0.3438, 0.3521

Protanopia

83.7126, 0.3356, 0.3535

Deuteranopia

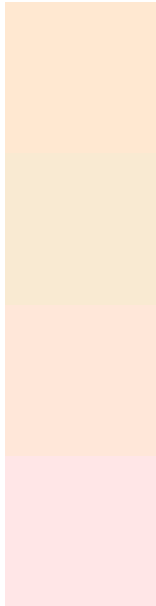
83.6323, 0.3359, 0.3390



Tritanopia

83.7697, 0.3216, 0.3153

Trichromacy



Original Color

83.5767, 0.3438, 0.3521

Protanomaly

83.6385, 0.3386, 0.3534

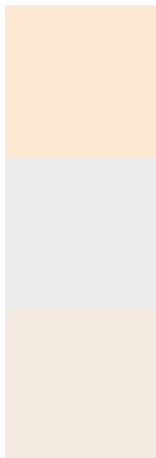
Deuteranomaly

83.4216, 0.3386, 0.3431

Tritanomaly

83.6232, 0.3294, 0.3281

Monochromacy



Original Color

83.5767, 0.3438, 0.3521

Achromatopsia

83.8799, 0.3127, 0.3290

Achromatomaly

83.9623, 0.3238, 0.3382

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.5767, 0.3438, 0.3521 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, 209)` looks like.

```
.text, #text, p{  
    color:rgb(255, 232, 209)  
}
```

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, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 232, 209) }
```

Border

The CSS property to change the border of an element to Yxy 83.5767, 0.3438, 0.3521 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, 209) }
```

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

```
.border{ border-color:rgb(255, 232, 209) }
```

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, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 232, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 232, 209);  
box-shadow:4px 4px 4px 4px rgb(255, 232,  
209) }
```


Background

The CSS property to change the background color of an element to Yxy 83.5767, 0.3438, 0.3521 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, 209) }
```

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

```
.background{ background-color: rgb(255,  
232, 209) }
```

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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