

Converting Colors

$Y_{xy}(100.0000, 0.3930, 0.3464)$

Have a look what the booklet for
Yxy(100.0000, 0.3930, 0.3464)
contains.

Yxy(83.6764, 0.3425, 0.3501)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(83.6764, 0.3425, 0.3501)

Conversions

Conversions Part 1

Format	Color
Hex	FFE8D3
RGB	255, 232, 211
RGB Percent	100%, 91%, 83%
CMY	0.0000, 0.0902, 0.1725
CMYK	0.00, 0.09, 0.17, 0.00
HSL	29°, 100%, 91%
HSV	29°, 17%, 100%
XYZ	81.8599, 83.6764, 73.4708
YIQ	236.4830, 20.4490, -1.6550

Conversions

Conversions Part 2

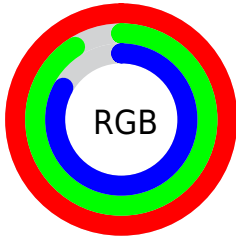
Format	Color
RYB	255, 251, 211
Decimal	16771283
CIELab	93.31, 4.55, 13.04
CIELCh	93, 13.816, 70.758
Yxy	83.6764, 0.3425, 0.3501
Android (android.graphics.Color)	4294961363 (0xFFFFE8D3)
YUV	236.4830, -12.5631, 16.2394
Hunter-Lab	91.4748, -0.3429, 16.4118

Details

The Yxy color **83.6764, 0.3425, 0.3501** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **79.9225, 0.2855, 0.3069**, and the grayscale version is **84.3567, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.4567, 0.3497, 0.3548** is the 20% darker color. If you saturate the color by 10%, you get **75.2738, 0.3632, 0.3631**, and if you desaturate by 10%, it is **92.8523, 0.3244, 0.3376**.

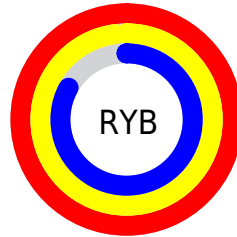
Distribution



Red (100%)

Green (91%)

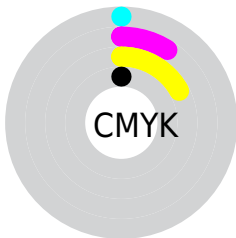
Blue (83%)



Red (100%)

Yellow (98%)

Blue (83%)

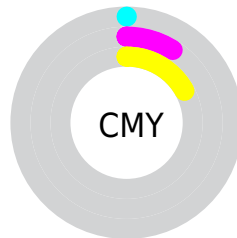


Cyan (0%)

Magenta (9%)

Yellow (17%)

Black (0%)



Cyan (0%)

Magenta (9%)


Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 83.6764, 0.3425, 0.3501 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 83.6764, 0.3425, 0.3501 by changing the saturation by 10% instead.


 83.6764, 0.3425,
0.3501

 83.6764, 0.3425,
0.3501


507.2380, 0.3290,
0.3407

 62.7483, 0.3455,
0.3522


138.5224, 0.3379,
0.3469

 45.6376, 0.3492,
0.3547


173.2091, 0.3361,
0.3456

 31.9600, 0.3538,
0.3578


213.2508, 0.3345,
0.3445

 21.3309, 0.3598,
0.3617

259.0319, 0.3331,
0.3436

 13.3661, 0.3677,
0.3669

310.9368, 0.3319,
0.3427

 7.6811, 0.3789,
0.3740

369.3498, 0.3308,

 3.8916, 0.3954,

0.3420

0.3842

434.6554, 0.3299,
0.3413

■ 1.6131, 0.4251,
0.4022

■ 0.3664, 0.5563,
0.4437

■ 83.6764, 0.3425,
0.3501

■ 83.6764, 0.3425,
0.3501

■ 75.2738, 0.3632,
0.3631

■ 92.8523, 0.3244,
0.3376

■ 67.6210, 0.3866,
0.3762

100.0000, 0.3127,
0.3290

■ 60.6952, 0.4125,
0.3886

■ 54.4716, 0.4405,
0.3995

■ 48.9238, 0.4694,
0.4076

■ 44.0227, 0.4977,
0.4116

■ 39.7366, 0.5235,
0.4104

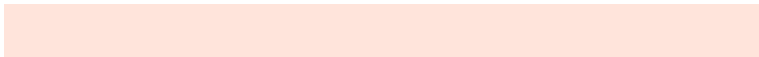
■ 36.0279, 0.5450,
0.4036

■ 35.0982, 0.5504,
0.4012

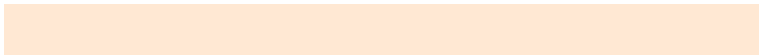
Harmonies

Analogous

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



83.6764, 0.3436, 0.3384



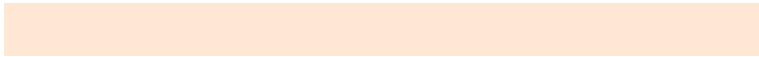
83.6764, 0.3425, 0.3501



83.6764, 0.3333, 0.3565

Triad

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



83.6764, 0.3425, 0.3501



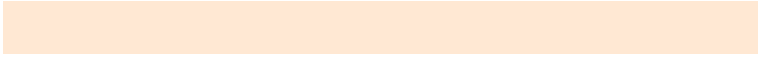
83.6764, 0.2898, 0.3328



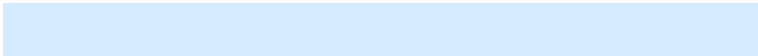
83.6764, 0.3061, 0.3043

Complementary

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



83.6764, 0.3425, 0.3501



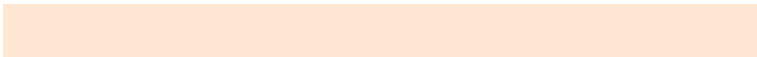
79.9225, 0.2855, 0.3069

Split Complementary

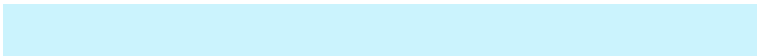
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



83.6764, 0.2921, 0.3023



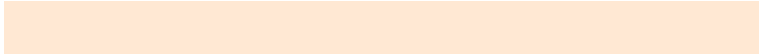
83.6764, 0.3425, 0.3501



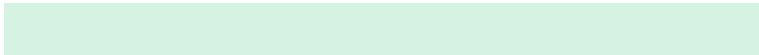
83.6764, 0.2829, 0.3183

Square

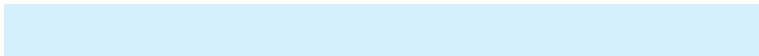
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



83.6764, 0.3425, 0.3501



83.6764, 0.3028, 0.3466



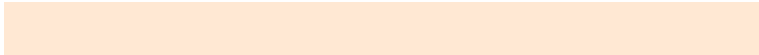
83.6764, 0.2837, 0.3073



83.6764, 0.3223, 0.3124

Rectangle

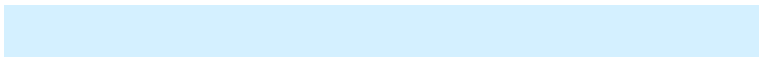
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



83.6764, 0.3425, 0.3501



83.6764, 0.3239, 0.3566



83.6764, 0.2837, 0.3073



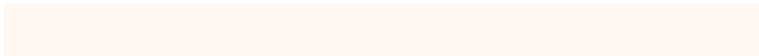
83.6764, 0.3010, 0.3029

Sweetspot

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



83.6769, 0.3425, 0.3501



95.0259, 0.3206, 0.3349



73.8217, 0.3290, 0.3056



20.1933, 0.3218, 0.3357



0.0000, 0.0000, 0.0000



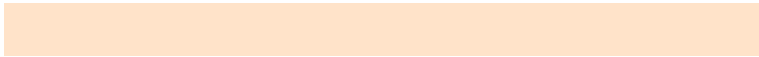
21.4041, 0.3127, 0.3290

Same Dimension

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



83.6769, 0.3425, 0.3501



80.4368, 0.3499, 0.3549



96.5517, 0.3390, 0.3707



19.4169, 0.3282, 0.3404



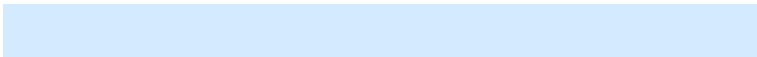
18.6343, 0.5478, 0.4033



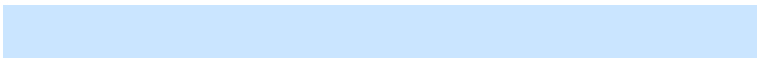
2.0315, 0.5293, 0.4179

Inverse Universe

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



79.9225, 0.2855, 0.3069



75.9875, 0.2794, 0.3016



68.3965, 0.2844, 0.2836



18.9495, 0.2979, 0.3174



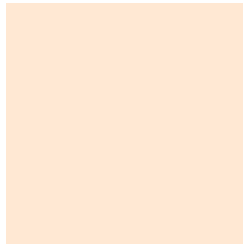
12.8864, 0.1792, 0.1651



1.4736, 0.1847, 0.1850

Previews

White Background



This preview shows how the Yxy color 83.6764, 0.3425, 0.3501 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 83.6764, 0.3425, 0.3501 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

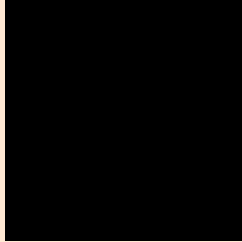
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 83.6764, 0.3425, 0.3501

Background



This preview shows how black text looks on a background with the Yxy color 83.6764, 0.3425, 0.3501.

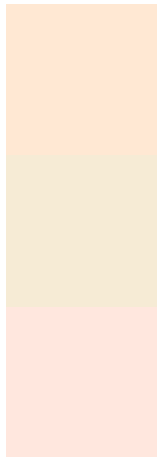


This preview shows how white text looks on a background with the Yxy color 83.6764, 0.3425, 0.3501.

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

83.6764, 0.3425, 0.3501

Protanopia

83.8136, 0.3343, 0.3515

Deuteranopia

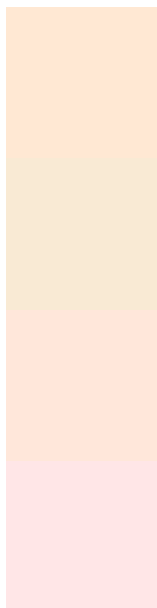
83.6858, 0.3353, 0.3380



Tritanopia

83.7697, 0.3216, 0.3153

Trichromacy



Original Color

83.6764, 0.3425, 0.3501

Protanomaly

83.7388, 0.3372, 0.3514

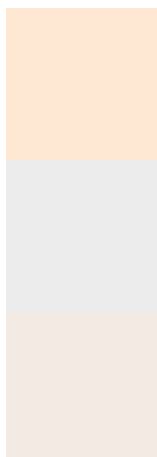
Deuteranomaly

83.4738, 0.3379, 0.3421

Tritanomaly

83.6232, 0.3294, 0.3281

Monochromacy



Original Color

83.6764, 0.3425, 0.3501

Achromatopsia

83.8799, 0.3127, 0.3290

Achromatomaly

84.0174, 0.3232, 0.3372

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.6764, 0.3425, 0.3501 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, 211)` looks like.

```
.text, #text, p{  
    color:rgb(255, 232, 211)  
}
```

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, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 232, 211) }
```

Border

The CSS property to change the border of an element to Yxy 83.6764, 0.3425, 0.3501 is called "border". The border property can be set on classes, ids or directly on the HTML element.

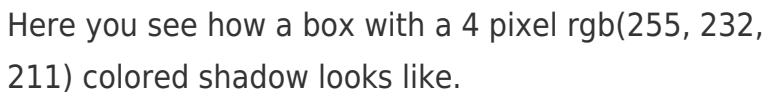
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(255, 232, 211) }
```

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

```
.border{ border-color:rgb(255, 232, 211) }
```

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, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 232, 211); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 232, 211); box-shadow:4px 4px 4px 4px rgb(255, 232, 211) }
```


Background

The CSS property to change the background color of an element to Yxy 83.6764, 0.3425, 0.3501 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, 211) }
```

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

```
.background{ background-color: rgb(255,  
232, 211) }
```

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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