

Converting Colors

$Y_{xy}(100.0000, 0.3901, 0.3426)$

Have a look what the booklet for
Yxy(100.0000, 0.3901, 0.3426)
contains.

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Color

Yxy(83.9311, 0.3391, 0.3451)

Conversions

Conversions Part 1

Format	Color
Hex	FFE8D8
RGB	255, 232, 216
RGB Percent	100%, 91%, 85%
CMY	0.0002, 0.0901, 0.1530
CMYK	0.00, 0.09, 0.15, 0.00
HSL	25°, 100%, 92%
HSV	25°, 15%, 100%
XYZ	82.4719, 83.9311, 76.8051
YIQ	237.0530, 18.8440, -0.1000

Conversions

Conversions Part 2

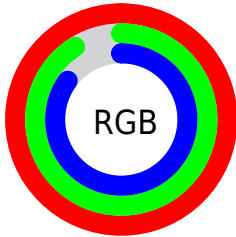
Format	Color
R _Y B	255, 243, 216
Decimal	16771288
CIE Lab	93.42, 5.26, 10.62
CIE LCh	93, 11.851, 63.661
Yxy	83.9311, 0.3391, 0.3451
Android (android.graphics.Color)	4294961368 (0xFFFFE8D8)
YUV	237.0530, -10.3791, 15.7395
Hunter-Lab	91.6139, 0.3633, 14.4236

Details

The Yxy color **83.9311, 0.3391, 0.3451** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **83.4800, 0.2888, 0.3123**, and the grayscale version is **84.7979, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.6296, 0.3454, 0.3483** is the 20% darker color. If you saturate the color by 10%, you get **74.6326, 0.3599, 0.3563**, and if you desaturate by 10%, it is **94.1617, 0.3211, 0.3344**.

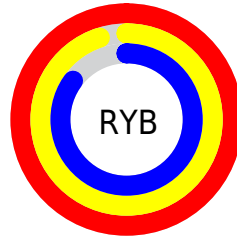
Distribution



Red (100%)

Green (91%)

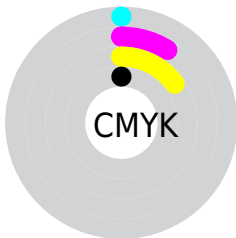
Blue (85%)



Red (100%)

Yellow (95%)

Blue (85%)

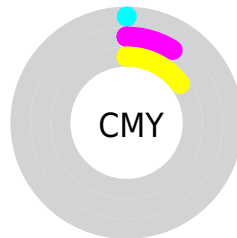


Cyan (0%)

Magenta (9%)

Yellow (15%)

Black (0%)



Cyan (0%)


Magenta (9%)


Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 83.9311, 0.3391, 0.3451 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 83.9311, 0.3391, 0.3451 by changing the saturation by 10% instead.


 83.9311, 0.3391,
0.3451

 83.9311, 0.3391,
0.3451


508.0844, 0.3271,
0.3379

 62.9586, 0.3418,
0.3467


138.8788, 0.3350,
0.3427

 45.8077, 0.3451,
0.3486

173.6227, 0.3334,
0.3417

 32.0941, 0.3492,
0.3509


213.7259, 0.3320,
0.3409

 21.4334, 0.3544,
0.3539

259.5727, 0.3308,
0.3401

 13.4411, 0.3615,
0.3579

311.5476, 0.3297,
0.3395

 7.7330, 0.3715,
0.3633

370.0349, 0.3288,

 3.9246, 0.3864,

0.3389

0.3710

435.4191, 0.3279,
0.3384

■ 1.6315, 0.4113,
0.3831

■ 0.3787, 0.5632,
0.4368

■ 83.9311, 0.3391,
0.3451

■ 83.9311, 0.3391,
0.3451

■ 74.6326, 0.3599,
0.3563

■ 94.1617, 0.3211,
0.3344

■ 66.2275, 0.3839,
0.3677

99.9882, 0.3127,
0.3290

■ 58.6910, 0.4110,
0.3787

■ 51.9926, 0.4409,
0.3884

■ 46.0998, 0.4727,
0.3957

■ 40.9775, 0.5046,
0.3991

■ 36.5871, 0.5343,
0.3976

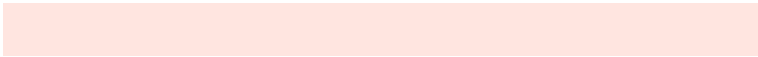
■ 32.8849, 0.5593,
0.3906

■ 31.3562, 0.5696,
0.3860

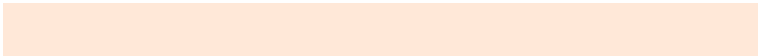
Harmonies

Analogous

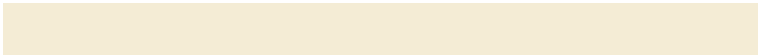
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.9311, 0.3382, 0.3344



83.9311, 0.3391, 0.3451



83.9311, 0.3328, 0.3518

Triad

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



83.9311, 0.3391, 0.3451



83.9311, 0.2953, 0.3353



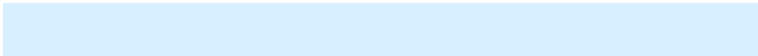
83.9311, 0.3040, 0.3068

Complementary

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



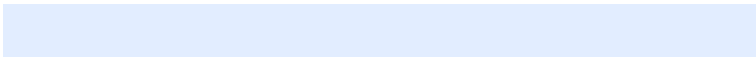
83.9311, 0.3391, 0.3451



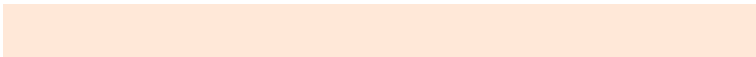
83.4800, 0.2888, 0.3123

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.



83.9311, 0.2928, 0.3066



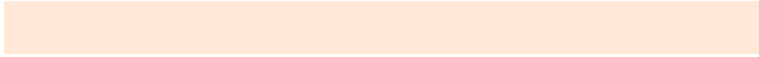
83.9311, 0.3391, 0.3451



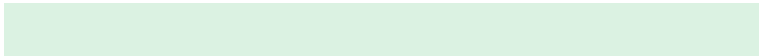
83.9311, 0.2879, 0.3227

Square

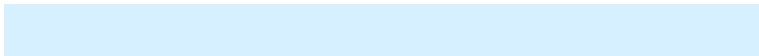
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



83.9311, 0.3391, 0.3451



83.9311, 0.3074, 0.3463



83.9311, 0.2870, 0.3123



83.9311, 0.3177, 0.3126

Rectangle

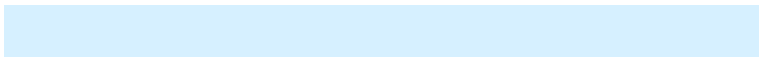
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



83.9311, 0.3391, 0.3451



83.9311, 0.3254, 0.3529



83.9311, 0.2870, 0.3123



83.9311, 0.2998, 0.3061

Sweetspot

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



83.9348, 0.3391, 0.3451



94.5151, 0.3207, 0.3341



76.6030, 0.3250, 0.3059



20.0692, 0.3218, 0.3348



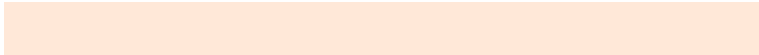
0.0000, 0.0000, 0.0000



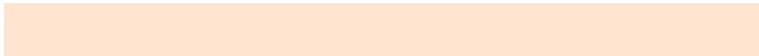
21.4041, 0.3127, 0.3290

Same Dimension

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



83.9348, 0.3391, 0.3451



81.3601, 0.3445, 0.3481



95.2256, 0.3363, 0.3634



19.2161, 0.3284, 0.3388



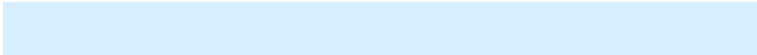
16.6701, 0.5667, 0.3883



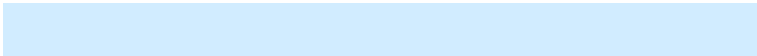
1.8321, 0.5461, 0.4045

Inverse Universe

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



83.4800, 0.2888, 0.3123



80.8332, 0.2845, 0.3091



72.9335, 0.2880, 0.2921



19.1532, 0.2979, 0.3190



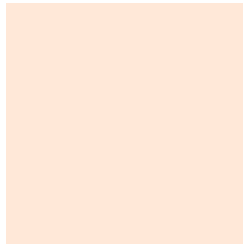
15.4633, 0.1855, 0.1878



1.7210, 0.1904, 0.2054

Previews

White Background



This preview shows how the Yxy color 83.9311, 0.3391, 0.3451 looks on a white background.

Color Contrast Check

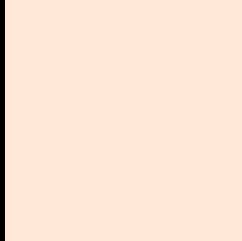
Large Text (above 18pt) WCAG AA × Fail

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 83.9311, 0.3391, 0.3451 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

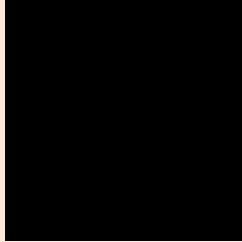
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 83.9311, 0.3391, 0.3451

Background



This preview shows how black text looks on a background with the Yxy color 83.9311, 0.3391, 0.3451.

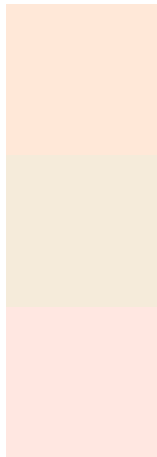


This preview shows how white text looks on a background with the Yxy color 83.9311, 0.3391, 0.3451.

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

83.9311, 0.3391, 0.3451

Protanopia

83.8911, 0.3304, 0.3463

Deuteranopia

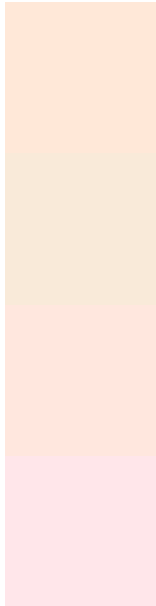
83.8481, 0.3333, 0.3350



Tritanopia

83.8303, 0.3209, 0.3144

Trichromacy



Original Color

83.9311, 0.3391, 0.3451

Protanomaly

83.9951, 0.3339, 0.3462

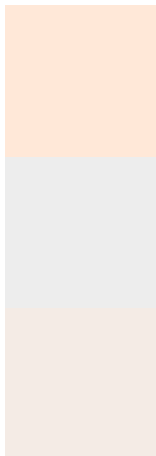
Deuteranomaly

83.6858, 0.3353, 0.3380

Tritanomaly

83.7941, 0.3274, 0.3251

Monochromacy



Original Color

83.9311, 0.3391, 0.3451

Achromatopsia

84.6873, 0.3127, 0.3290

Achromatomaly

84.3069, 0.3226, 0.3351

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.9311, 0.3391, 0.3451 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, 216)` looks like.

```
.text, #text, p{  
    color:rgb(255, 232, 216)  
}
```

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, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 232, 216) }
```

Border

The CSS property to change the border of an element to Yxy 83.9311, 0.3391, 0.3451 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, 216) }
```

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

```
.border{ border-color:rgb(255, 232, 216) }
```

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, 216) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 232, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 232, 216);  
box-shadow:4px 4px 4px 4px rgb(255, 232,  
216) }
```


Background

The CSS property to change the background color of an element to Yxy 83.9311, 0.3391, 0.3451 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, 216) }
```

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

```
.background{ background-color: rgb(255,  
232, 216) }
```

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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