

Converting Colors

$Y_{xy}(82.9755, 0.3362, 0.3442)$

Have a look what the booklet for
Yxy(82.9755, 0.3362, 0.3442)
contains.

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Color

Yxy(83.1803, 0.3363, 0.3452)

Conversions

Conversions Part 1

Format	Color
Hex	FBE8D8
RGB	251, 232, 216
RGB Percent	98%, 91%, 85%
CMY	0.0157, 0.0902, 0.1530
CMYK	0.00, 0.08, 0.14, 0.02
HSL	27°, 81%, 92%
HSV	27°, 14%, 98%
XYZ	81.0357, 83.1803, 76.7466
YIQ	235.8570, 16.4600, -0.9480

Conversions

Conversions Part 2

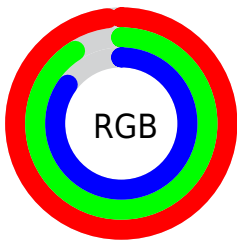
Format	Color
R _Y B	251, 245, 216
Decimal	16509144
CIE Lab	93.09, 3.88, 10.10
CIE LCh	93, 10.823, 68.968
Yxy	83.1803, 0.3363, 0.3452
Android (android.graphics.Color)	4294699224 (0xFFFFBE8D8)
YUV	235.8570, -9.7895, 13.2804
Hunter-Lab	91.2032, -1.0052, 13.9503

Details

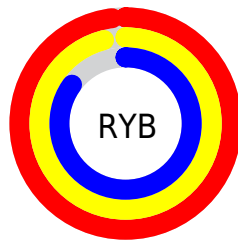
The Yxy color **83.1803, 0.3363, 0.3452** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **80.9791, 0.2909, 0.3122**, and the grayscale version is **83.8350, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.0932, 0.3416, 0.3485** is the 20% darker color. If you saturate the color by 10%, you get **74.6084, 0.3563, 0.3575**, and if you desaturate by 10%, it is **92.5525, 0.3189, 0.3334**.

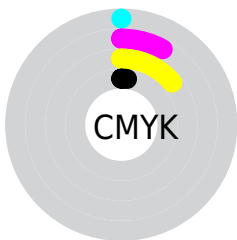
Distribution



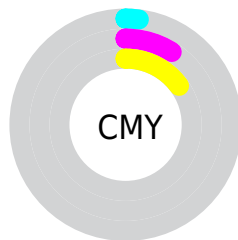
- Red (98%)
- Green (91%)
- Blue (85%)



- Red (98%)
- Yellow (96%)
- Blue (85%)



- Cyan (0%)
- Magenta (8%)
- Yellow (14%)
- Black (2%)





- Cyan (2%)
- Magenta (9%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 83.1803, 0.3363, 0.3452 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 83.1803, 0.3363, 0.3452 by changing the saturation by 10% instead.

 83.1803, 0.3363,
0.3452

 83.1803, 0.3363,
0.3452

505.5872, 0.3256,
0.3380

 62.3389, 0.3387,
0.3468


137.8280, 0.3326,
0.3427

 45.3066, 0.3416,
0.3487


172.4030, 0.3312,
0.3418

 31.6990, 0.3453,
0.3512


212.3247, 0.3299,
0.3409

 21.1317, 0.3501,
0.3543

257.9775, 0.3289,
0.3402

 13.2203, 0.3564,
0.3583

309.7458, 0.3279,
0.3395

 7.5804, 0.3653,
0.3640

368.0139, 0.3270,

 3.8277, 0.3788,

0.3389

0.3722

433.1662, 0.3263,
0.3384

■ 1.5776, 0.4015,
0.3855

■ 0.3424, 0.5510,
0.4490

■ 83.1803, 0.3363,
0.3452

■ 83.1803, 0.3363,
0.3452

■ 74.6084, 0.3563,
0.3575

■ 92.5525, 0.3189,
0.3334

■ 66.8032, 0.3791,
0.3701

■ 99.2503, 0.3103,
0.3290

■ 59.7451, 0.4047,
0.3824

■ 53.4089, 0.4327,
0.3934

■ 47.7682, 0.4622,
0.4021

■ 42.7943, 0.4920,
0.4072

■ 38.4555, 0.5198,
0.4074

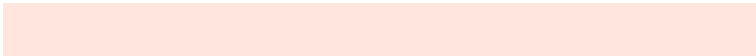
■ 34.7162, 0.5438,
0.4020

■ 32.7205, 0.5562,
0.3966

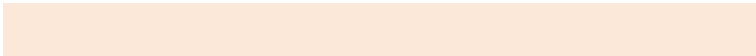
Harmonies

Analogous

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



83.1803, 0.3367, 0.3359



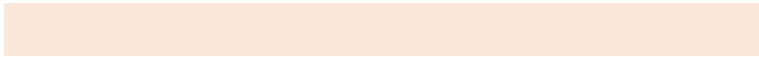
83.1803, 0.3363, 0.3452



83.1803, 0.3295, 0.3504

Triad

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



83.1803, 0.3363, 0.3452



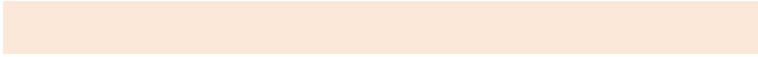
83.1803, 0.2952, 0.3327



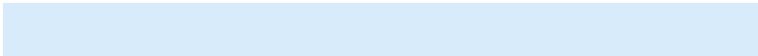
83.1803, 0.3069, 0.3092

Complementary

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



83.1803, 0.3363, 0.3452



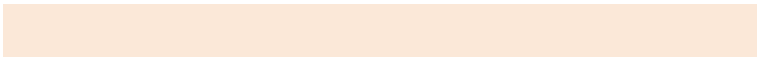
80.9791, 0.2909, 0.3122

Split Complementary

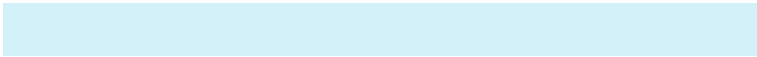
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



83.1803, 0.2960, 0.3081



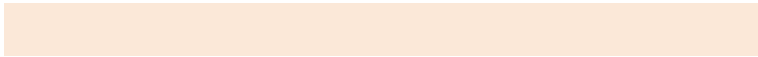
83.1803, 0.3363, 0.3452



83.1803, 0.2893, 0.3214

Square

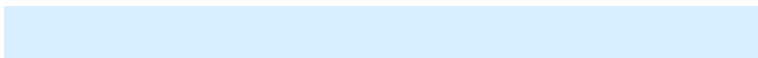
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



83.1803, 0.3363, 0.3452



83.1803, 0.3057, 0.3433



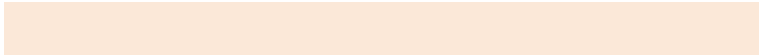
83.1803, 0.2896, 0.3124



83.1803, 0.3195, 0.3154

Rectangle

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



83.1803, 0.3363, 0.3452



83.1803, 0.3223, 0.3507



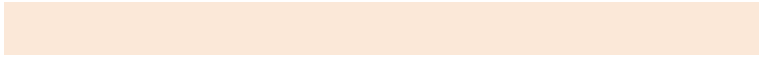
83.1803, 0.2896, 0.3124



83.1803, 0.3029, 0.3082

Sweetspot

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



83.1840, 0.3363, 0.3452



95.8790, 0.3190, 0.3335



75.6330, 0.3250, 0.3097



20.3594, 0.3202, 0.3344



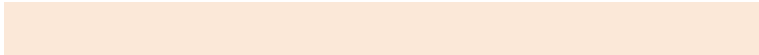
0.0000, 0.0000, 0.0000



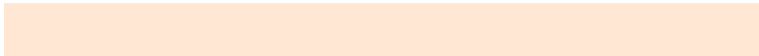
21.4041, 0.3127, 0.3290

Same Dimension

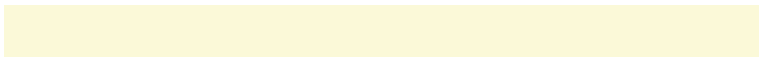
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.1840, 0.3363, 0.3452



83.4123, 0.3421, 0.3489



93.3774, 0.3339, 0.3620



18.5328, 0.3282, 0.3399



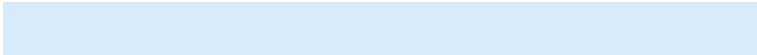
17.4816, 0.5534, 0.3988



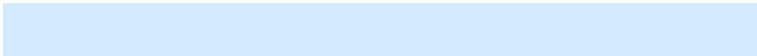
1.8282, 0.5334, 0.4147

Inverse Universe

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



80.9791, 0.2909, 0.3122



80.6836, 0.2860, 0.3082



71.5755, 0.2903, 0.2937



18.2041, 0.2980, 0.3179



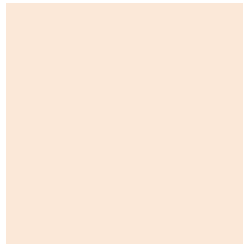
13.2457, 0.1811, 0.1721



1.4388, 0.1868, 0.1923

Previews

White Background



This preview shows how the Yxy color 83.1803, 0.3363, 0.3452 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 83.1803, 0.3363, 0.3452 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

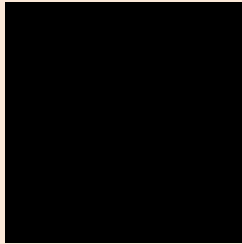
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 83.1803, 0.3363, 0.3452

Background



This preview shows how black text looks on a background with the Yxy color 83.1803, 0.3363, 0.3452.

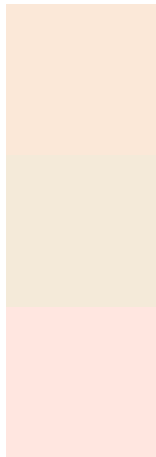


This preview shows how white text looks on a background with the Yxy color 83.1803, 0.3363, 0.3452.

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

83.1803, 0.3363, 0.3452

Protanopia

83.0885, 0.3304, 0.3464

Deuteranopia

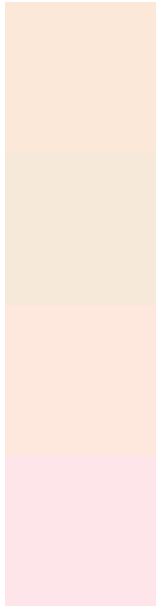
83.2354, 0.3341, 0.3350



Tritanopia

83.3394, 0.3204, 0.3124

Trichromacy



Original Color

83.1803, 0.3363, 0.3452

Protanomaly

83.0617, 0.3327, 0.3453

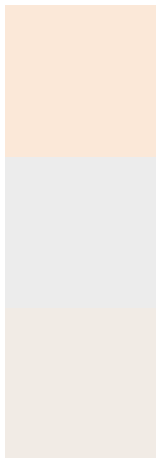
Deuteranomaly

83.4431, 0.3352, 0.3391

Tritanomaly

83.0500, 0.3268, 0.3241

Monochromacy



Original Color

83.1803, 0.3363, 0.3452

Achromatopsia

83.8799, 0.3127, 0.3290

Achromatomaly

83.7746, 0.3205, 0.3351

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.1803, 0.3363, 0.3452 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(251, 232, 216)` looks like.

```
.text, #text, p{  
    color:rgb(251, 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(251, 232, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 232, 216) }
```

Border

The CSS property to change the border of an element to Yxy 83.1803, 0.3363, 0.3452 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(251, 232, 216) }
```

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

```
.border{ border-color:rgb(251, 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(251, 232, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 232, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 232, 216);  
box-shadow:4px 4px 4px 4px rgb(251, 232,  
216) }
```


Background

The CSS property to change the background color of an element to Yxy 83.1803, 0.3363, 0.3452 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 232, 216) }
```

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

```
.background{ background-color: rgb(251,  
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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