

Converting Colors

$Y_{xy}(82.9122, 0.3275, 0.3344)$

Have a look what the booklet for
Yxy(82.9122, 0.3275, 0.3344)
contains.

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Color

Yxy(83.1607, 0.3276, 0.3351)

Conversions

Conversions Part 1

Format	Color
Hex	F8E8E2
RGB	248, 232, 226
RGB Percent	97%, 91%, 89%
CMY	0.0274, 0.0902, 0.1138
CMYK	0.00, 0.06, 0.09, 0.03
HSL	16°, 61%, 93%
HSV	16°, 9%, 97%
XYZ	81.2994, 83.1607, 83.7067
YIQ	236.1000, 11.4620, 1.5260

Conversions

Conversions Part 2

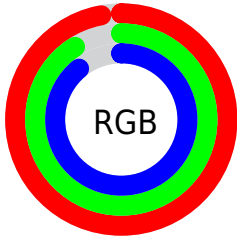
Format	Color
R _Y B	248, 234, 226
Decimal	16312546
CIE Lab	93.08, 4.43, 4.86
CIE LCh	93, 6.580, 47.626
Yxy	83.1607, 0.3276, 0.3351
Android (android.graphics.Color)	4294502626 (0xFF8E8E2)
YUV	236.1000, -4.9793, 10.4363
Hunter-Lab	91.1925, -0.4515, 9.4117

Details

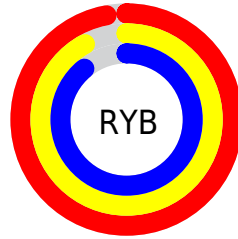
The Yxy color **83.1607, 0.3276, 0.3351** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **86.4542, 0.2989, 0.3228**, and the grayscale version is **83.9972, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.1974, 0.3312, 0.3355** is the 20% darker color. If you saturate the color by 10%, you get **72.2632, 0.3474, 0.3424**, and if you desaturate by 10%, it is **95.3042, 0.3110, 0.3283**.

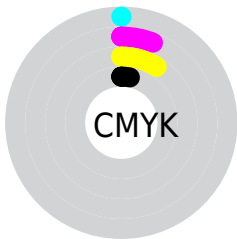
Distribution



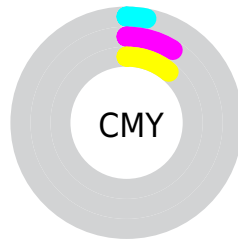
- Red (97%)
- Green (91%)
- Blue (89%)



- Red (97%)
- Yellow (92%)
- Blue (89%)



- Cyan (0%)
- Magenta (6%)
- Yellow (9%)
- Black (3%)





- Cyan (3%)
- Magenta (9%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 83.1607, 0.3276, 0.3351 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 83.1607, 0.3276, 0.3351 by changing the saturation by 10% instead.


 83.1607, 0.3276,
0.3351

 83.1607, 0.3276,
0.3351

505.5219, 0.3209,
0.3324

 62.3227, 0.3291,
0.3357

137.8005, 0.3253,
0.3342

 45.2935, 0.3310,
0.3364


172.3711, 0.3244,
0.3338

 31.6887, 0.3333,
0.3373


212.2881, 0.3236,
0.3335

 21.1238, 0.3363,
0.3385

257.9358, 0.3229,
0.3332

 13.2145, 0.3403,
0.3400

309.6987, 0.3223,
0.3330

 7.5764, 0.3460,
0.3421

367.9610, 0.3218,

 3.8251, 0.3546,

0.3328

0.3451

433.1073, 0.3213,
0.3326

■ 1.5762, 0.3693,
0.3500

■ 0.3415, 0.5368,
0.4235

■ 83.1607, 0.3276,
0.3351

■ 83.1607, 0.3276,
0.3351

■ 72.2632, 0.3474,
0.3424

■ 95.3042, 0.3110,
0.3283

■ 62.5609, 0.3711,
0.3500

■ 98.7006, 0.3084,
0.3290

■ 54.0158, 0.3989,
0.3576

■ 46.5836, 0.4312,
0.3646

■ 40.2169, 0.4673,
0.3702

■ 34.8652, 0.5058,
0.3733

■ 30.4729, 0.5439,
0.3726

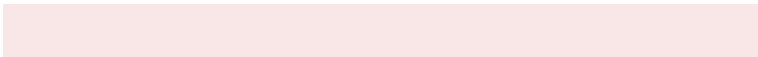
■ 26.9791, 0.5774,
0.3675

■ 24.3103, 0.6031,
0.3584

Harmonies

Analogous

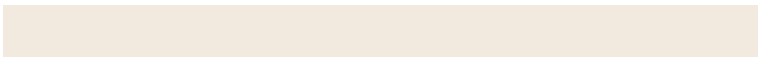
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.1607, 0.3249, 0.3286



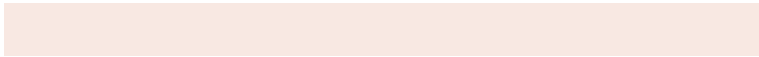
83.1607, 0.3276, 0.3351



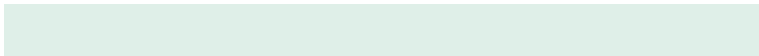
83.1607, 0.3262, 0.3401

Triad

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



83.1607, 0.3276, 0.3351



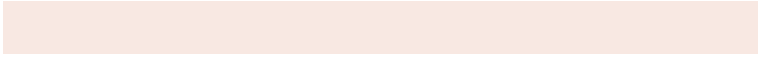
83.1607, 0.3064, 0.3360



83.1607, 0.3042, 0.3161

Complementary

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



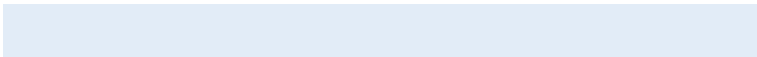
83.1607, 0.3276, 0.3351



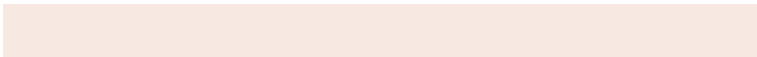
86.4542, 0.2989, 0.3228

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.



83.1607, 0.2994, 0.3178



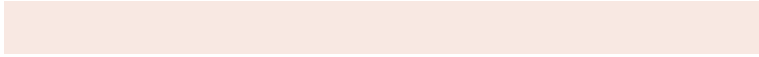
83.1607, 0.3276, 0.3351



83.1607, 0.3006, 0.3293

Square

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



83.1607, 0.3276, 0.3351



83.1607, 0.3139, 0.3407



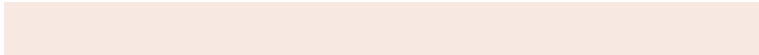
83.1607, 0.2981, 0.3227



83.1607, 0.3114, 0.3177

Rectangle

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



83.1607, 0.3276, 0.3351



83.1607, 0.3232, 0.3419



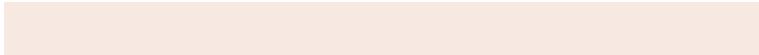
83.1607, 0.2981, 0.3227



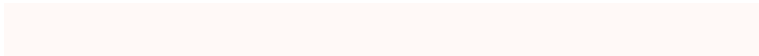
83.1607, 0.3023, 0.3163

Sweetspot

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



83.1644, 0.3276, 0.3351



96.0195, 0.3175, 0.3310



80.7651, 0.3175, 0.3129



20.3288, 0.3188, 0.3316



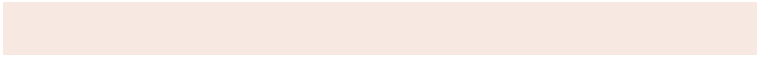
0.0000, 0.0000, 0.0000



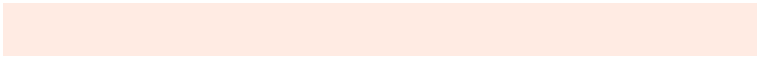
21.4041, 0.3127, 0.3290

Same Dimension

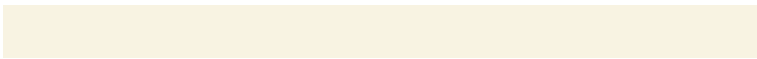
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.1644, 0.3276, 0.3351



85.9946, 0.3315, 0.3366



89.4807, 0.3265, 0.3459



17.9960, 0.3287, 0.3355



13.1924, 0.6028, 0.3596



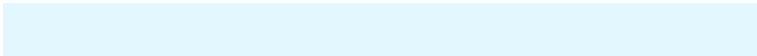
1.3902, 0.5797, 0.3779

Inverse Universe

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



86.4542, 0.2989, 0.3228



90.2749, 0.2956, 0.3213



80.1685, 0.2989, 0.3115



18.7603, 0.2980, 0.3224



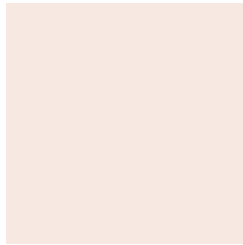
21.6082, 0.1994, 0.2377



2.1776, 0.2028, 0.2499

Previews

White Background



This preview shows how the Yxy color 83.1607, 0.3276, 0.3351 looks on a white background.

Color Contrast Check

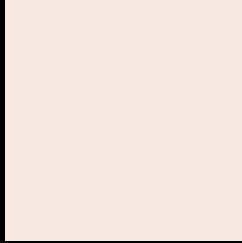
Large Text (above 18pt) WCAG AA × Fail

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 83.1607, 0.3276, 0.3351 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

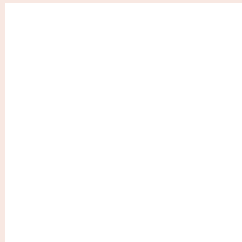
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 83.1607, 0.3276, 0.3351

Background



This preview shows how black text looks on a background with the Yxy color 83.1607, 0.3276, 0.3351.

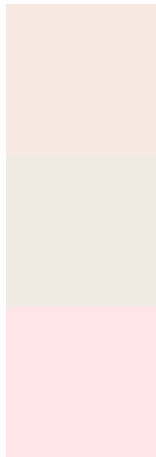


This preview shows how white text looks on a background with the Yxy color 83.1607, 0.3276, 0.3351.

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

83.1607, 0.3276, 0.3351

Protanopia

83.0925, 0.3219, 0.3362

Deuteranopia

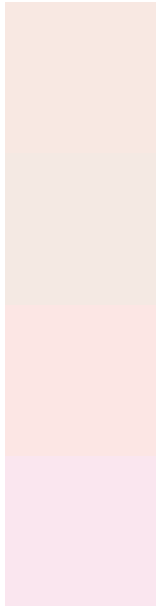
82.9558, 0.3308, 0.3291



Tritanopia

83.2633, 0.3163, 0.3113

Trichromacy



Original Color

83.1607, 0.3276, 0.3351

Protanomaly

83.0570, 0.3240, 0.3351

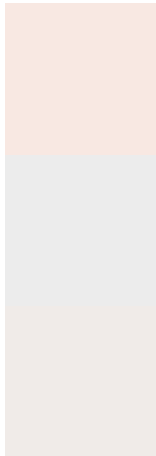
Deuteranomaly

82.8905, 0.3293, 0.3310

Tritanomaly

83.1496, 0.3207, 0.3201

Monochromacy



Original Color

83.1607, 0.3276, 0.3351

Achromatopsia

83.8799, 0.3127, 0.3290

Achromatomaly

83.7681, 0.3180, 0.3321

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.1607, 0.3276, 0.3351 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(248, 232, 226)` looks like.

```
.text, #text, p{  
    color:rgb(248, 232, 226)  
}
```

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(248, 232, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 232, 226) }
```

Border

The CSS property to change the border of an element to Yxy 83.1607, 0.3276, 0.3351 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(248, 232, 226) }
```

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

```
.border{ border-color:rgb(248, 232, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(248, 232, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(248, 232, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(248, 232, 226);  
box-shadow:4px 4px 4px 4px rgb(248, 232,  
226) }
```


Background

The CSS property to change the background color of an element to Yxy 83.1607, 0.3276, 0.3351 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(248, 232, 226) }
```

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

```
.background{ background-color: rgb(248,  
232, 226) }
```

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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