

Converting Colors

$Y_{xy}(83.1357, 0.3617, 0.3910)$

Have a look what the booklet for
Yxy(83.1357, 0.3617, 0.3910)
contains.

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Color

Yxy(83.4100, 0.3620, 0.3913)

Conversions

Conversions Part 1

Format	Color
Hex	FAECAF
RGB	250, 236, 175
RGB Percent	98%, 93%, 69%
CMY	0.0195, 0.0745, 0.3137
CMYK	0.00, 0.06, 0.30, 0.02
HSL	49°, 88%, 83%
HSV	49°, 30%, 98%
XYZ	77.1644, 83.4100, 52.5869
YIQ	233.2320, 27.9250, -16.0030

Conversions

Conversions Part 2

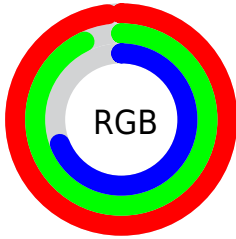
Format	Color
R _Y B	192, 250, 175
Decimal	16444591
CIE Lab	93.19, -4.22, 31.35
CIE LCh	93, 31.631, 97.670
Yxy	83.4100, 0.3620, 0.3913
Android (android.graphics.Color)	4294634671 (0xFFFAECAAF)
YUV	233.2320, -28.7084, 14.7055
Hunter-Lab	91.3291, -9.0104, 29.7914

Details

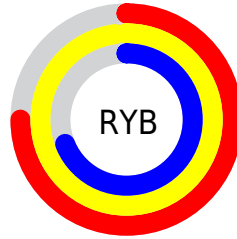
The Yxy color **83.4100, 0.3620, 0.3913** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **52.4234, 0.2613, 0.2578**, and the grayscale version is **81.8783, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.5495, 0.3268, 0.3522**, and **45.3851, 0.3729, 0.4046** is the 20% darker color. If you saturate the color by 10%, you get **79.8636, 0.3797, 0.4120**, and if you desaturate by 10%, it is **87.2163, 0.3447, 0.3701**.

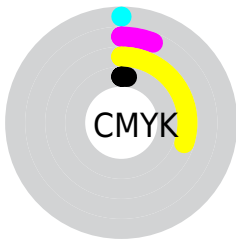
Distribution



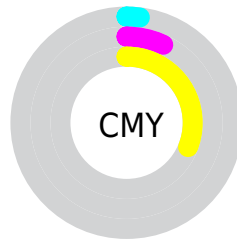
- Red (98%)
- Green (93%)
- Blue (69%)



- Red (75%)
- Yellow (98%)
- Blue (69%)



- Cyan (0%)
- Magenta (6%)
- Yellow (30%)
- Black (2%)





- Cyan (2%)
- Magenta (7%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 83.4100, 0.3620, 0.3913 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 83.4100, 0.3620, 0.3913 by changing the saturation by 10% instead.


 83.4100, 0.3620,
0.3913

 83.4100, 0.3620,
0.3913


506.3519, 0.3401,
0.3632

 62.5284, 0.3667,
0.3975


 138.1496, 0.3546,
0.3817

 45.4598, 0.3724,
0.4050

172.7763, 0.3517,
0.3779

 31.8198, 0.3794,
0.4143


212.7536, 0.3491,
0.3746

 21.2239, 0.3880,
0.4261

258.4659, 0.3469,
0.3718

 13.2877, 0.3989,
0.4413

310.2974, 0.3449,
0.3692

 7.6270, 0.4128,
0.4613

368.6327, 0.3431,

 3.8572, 0.4324,

0.3670

0.4908

433.8561, 0.3415,
0.3650

■ 1.5940, 0.4618,
0.5382

■ 0.3536, 0.3972,
0.6028

■ 83.4100, 0.3620,
0.3913

■ 83.4100, 0.3620,
0.3913

■ 79.8636, 0.3797,
0.4120

■ 87.2163, 0.3447,
0.3701

■ 76.5552, 0.3972,
0.4312

■ 91.2810, 0.3282,
0.3492

■ 73.4771, 0.4137,
0.4481

■ 95.6170, 0.3127,
0.3290

■ 70.6163, 0.4286,
0.4614

■ 98.8766, 0.3097,
0.3287

■ 67.9582, 0.4411,
0.4705

■ 99.0691, 0.3096,
0.3290

■ 65.4854, 0.4506,
0.4748

■ 63.1719, 0.4575,
0.4749

Harmonies

Analogous

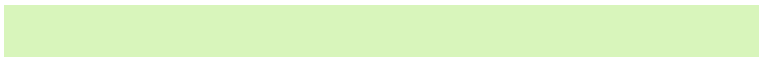
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.4100, 0.3824, 0.3730



83.4100, 0.3620, 0.3913



83.4100, 0.3290, 0.3925

Triad

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



83.4100, 0.3620, 0.3913



83.4100, 0.2470, 0.3061



83.4100, 0.3301, 0.2899

Complementary

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



83.4100, 0.3620, 0.3913



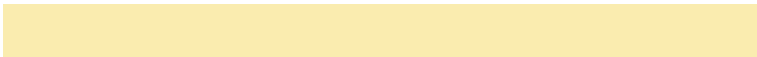
52.4234, 0.2613, 0.2578

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.



83.4100, 0.2933, 0.2735



83.4100, 0.3620, 0.3913



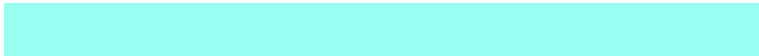
83.4100, 0.2471, 0.2810

Square

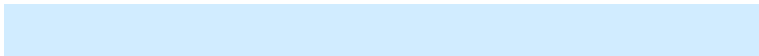
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



83.4100, 0.3620, 0.3913



83.4100, 0.2632, 0.3405



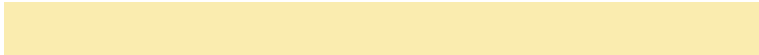
83.4100, 0.2635, 0.2699



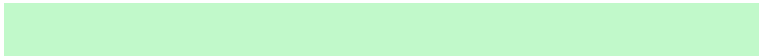
83.4100, 0.3638, 0.3154

Rectangle

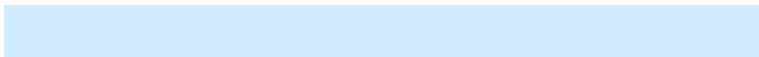
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



83.4100, 0.3620, 0.3913



83.4100, 0.3046, 0.3819



83.4100, 0.2635, 0.2699



83.4100, 0.3177, 0.2832

Sweetspot

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



83.4138, 0.3620, 0.3913



95.9016, 0.3266, 0.3471



54.7052, 0.3668, 0.3132



20.3898, 0.3289, 0.3501



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.



83.4138, 0.3620, 0.3913



84.9646, 0.3727, 0.4039



87.8985, 0.3426, 0.4083



19.6065, 0.3273, 0.3481



33.6996, 0.4568, 0.4755



3.2589, 0.4515, 0.4797

Inverse Universe

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



52.4234, 0.2613, 0.2578



47.8177, 0.2497, 0.2407



49.5008, 0.2755, 0.2447



17.1680, 0.2979, 0.3091



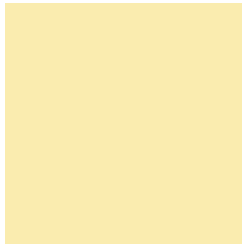
4.8799, 0.1548, 0.0774



0.5887, 0.1603, 0.0970

Previews

White Background



This preview shows how the Yxy color 83.4100, 0.3620, 0.3913 looks on a white background.

Color Contrast Check

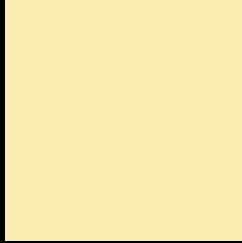
Large Text (above 18pt) WCAG AA × Fail

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 83.4100, 0.3620, 0.3913 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

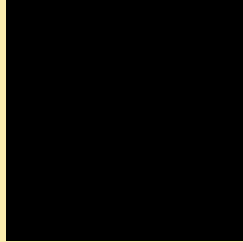
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 83.4100, 0.3620, 0.3913

Background



This preview shows how black text looks on a background with the Yxy color 83.4100, 0.3620, 0.3913.



This preview shows how white text looks on a background with the Yxy color 83.4100, 0.3620, 0.3913.

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

83.4100, 0.3620, 0.3913

Protanopia

83.3945, 0.3645, 0.3899

Deuteranopia

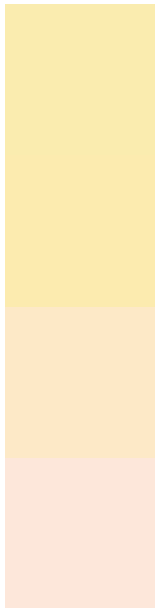
83.1653, 0.3420, 0.3481



Tritanopia

83.2179, 0.3217, 0.3143

Trichromacy



Original Color

83.4100, 0.3620, 0.3913

Protanomaly

83.2073, 0.3637, 0.3900

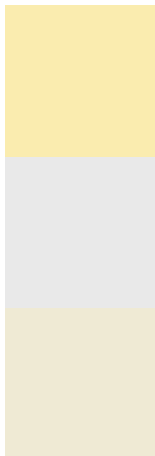
Deuteranomaly

83.2840, 0.3489, 0.3635

Tritanomaly

83.0964, 0.3365, 0.3421

Monochromacy



Original Color

83.4100, 0.3620, 0.3913

Achromatopsia

81.4847, 0.3127, 0.3290

Achromatomaly

81.9498, 0.3302, 0.3519

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.4100, 0.3620, 0.3913 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(250, 236, 175)` looks like.

```
.text, #text, p{  
    color:rgb(250, 236, 175)  
}
```

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(250, 236, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 236, 175) }
```

Border

The CSS property to change the border of an element to Yxy 83.4100, 0.3620, 0.3913 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(250, 236, 175) }
```

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

```
.border{ border-color:rgb(250, 236, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(250, 236, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 236, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 236, 175);  
box-shadow:4px 4px 4px 4px rgb(250, 236,  
175) }
```


Background

The CSS property to change the background color of an element to Yxy 83.4100, 0.3620, 0.3913 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 236, 175) }
```

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

```
.background{ background-color: rgb(250,  
236, 175) }
```

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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