

Converting Colors

$Y_{xy}(100.0000, 0.4130, 0.3744)$

Have a look what the booklet for
Yxy(100.0000, 0.4130, 0.3744)
contains.

Yxy(83.9719, 0.3626, 0.3845)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(83.9719, 0.3626, 0.3845)

Conversions

Conversions Part 1

Format	Color
Hex	FFE8B4
RGB	255, 235, 180
RGB Percent	100%, 92%, 71%
CMY	0.0000, 0.0784, 0.2940
CMYK	0.00, 0.08, 0.29, 0.00
HSL	44°, 100%, 85%
HSV	44°, 29%, 100%
XYZ	79.1891, 83.9719, 55.2315
YIQ	234.7100, 29.5750, -12.8650

Conversions

Conversions Part 2

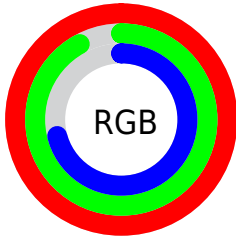
Format	Color
R _Y B	207, 255, 180
Decimal	16772020
CIE Lab	93.44, -1.23, 29.18
CIE LCh	93, 29.209, 92.417
Yxy	83.9719, 0.3626, 0.3845
Android (android.graphics.Color)	4294962100 (0xFFFFE8B4)
YUV	234.7100, -26.9720, 17.7943
Hunter-Lab	91.6362, -6.1092, 28.4097

Details

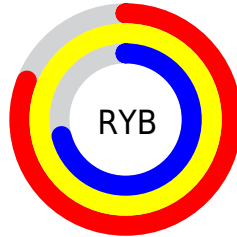
The Yxy color **83.9719, 0.3626, 0.3845** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **58.2497, 0.2632, 0.2665**, and the grayscale version is **83.0419, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.8361, 0.3238, 0.3473**, and **45.6428, 0.3729, 0.3961** is the 20% darker color. If you saturate the color by 10%, you get **79.2092, 0.3817, 0.4036**, and if you desaturate by 10%, it is **89.0823, 0.3444, 0.3651**.

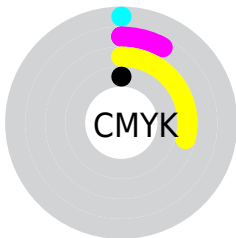
Distribution



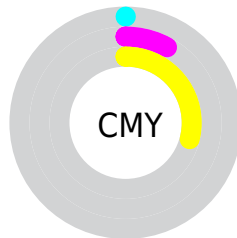
- Red (100%)
- Green (92%)
- Blue (71%)



- Red (81%)
- Yellow (100%)
- Blue (71%)



- Cyan (0%)
- Magenta (8%)
- Yellow (29%)
- Black (0%)





- Cyan (0%)
- Magenta (8%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 83.9719, 0.3626, 0.3845 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 83.9719, 0.3626, 0.3845 by changing the saturation by 10% instead.


 83.9719, 0.3626,
0.3845

 83.9719, 0.3626,
0.3845


508.2199, 0.3403,
0.3596

 62.9922, 0.3675,
0.3900


 138.9359, 0.3551,
0.3760

 45.8349, 0.3733,
0.3966


173.6890, 0.3521,
0.3727

 32.1156, 0.3805,
0.4047


213.8020, 0.3495,
0.3698

 21.4498, 0.3896,
0.4150

259.6593, 0.3472,
0.3673

 13.4532, 0.4012,
0.4282

311.6454, 0.3452,
0.3650

 7.7413, 0.4163,
0.4457

370.1446, 0.3434,

 3.9299, 0.4367,

0.3630

0.4695

435.5413, 0.3418,
0.3612

■ 1.6344, 0.4800,
0.5200

■ 0.3806, 0.4657,
0.5343

■ 83.9719, 0.3626,
0.3845

■ 83.9719, 0.3626,
0.3845

■ 79.2092, 0.3817,
0.4036

■ 89.0823, 0.3444,
0.3651

■ 74.7707, 0.4012,
0.4215

■ 94.5404, 0.3274,
0.3461

■ 70.6470, 0.4203,
0.4372

100.0000, 0.3127,
0.3290

■ 66.8236, 0.4382,
0.4496

■ 63.2841, 0.4539,
0.4577

■ 60.0093, 0.4668,
0.4609

■ 56.9707, 0.4766,
0.4594

■ 56.7935, 0.4772,
0.4593

Harmonies

Analogous

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



83.9719, 0.3784, 0.3658



83.9719, 0.3626, 0.3845



83.9719, 0.3337, 0.3885

Triad

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



83.9719, 0.3626, 0.3845



83.9719, 0.2535, 0.3133



83.9719, 0.3228, 0.2894

Complementary

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



83.9719, 0.3626, 0.3845



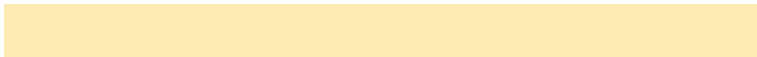
58.2497, 0.2632, 0.2665

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.



83.9719, 0.2894, 0.2761



83.9719, 0.3626, 0.3845



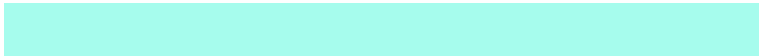
83.9719, 0.2509, 0.2880

Square

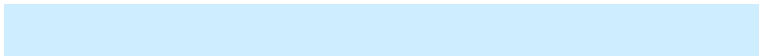
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



83.9719, 0.3626, 0.3845



83.9719, 0.2711, 0.3454



83.9719, 0.2636, 0.2752



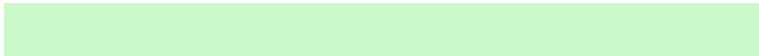
83.9719, 0.3550, 0.3119

Rectangle

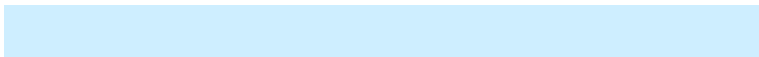
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



83.9719, 0.3626, 0.3845



83.9719, 0.3112, 0.3808



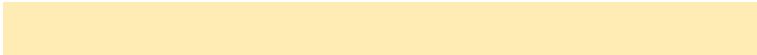
83.9719, 0.2636, 0.2752



83.9719, 0.3113, 0.2837

Sweetspot

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



83.9757, 0.3626, 0.3845



94.7653, 0.3268, 0.3454



58.1461, 0.3599, 0.3071



20.1085, 0.3291, 0.3481



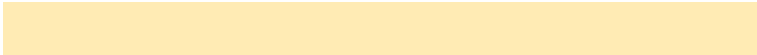
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

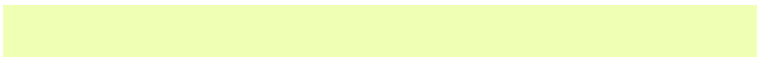
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.9757, 0.3626, 0.3845



81.2646, 0.3732, 0.3953



93.1252, 0.3463, 0.4056



20.2227, 0.3276, 0.3463



29.9344, 0.4760, 0.4602



3.0944, 0.4681, 0.4665

Inverse Universe

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



58.2497, 0.2632, 0.2665



51.9348, 0.2528, 0.2523



51.6491, 0.2719, 0.2455



18.1657, 0.2979, 0.3110



6.1414, 0.1589, 0.0919



0.7684, 0.1648, 0.1132

Previews

White Background



This preview shows how the Yxy color 83.9719, 0.3626, 0.3845 looks on a white background.

Color Contrast Check

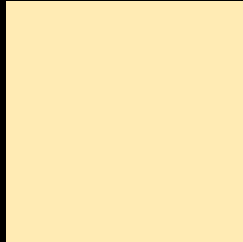
Large Text (above 18pt) WCAG AA × Fail

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 83.9719, 0.3626, 0.3845 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

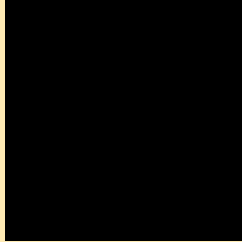
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 83.9719, 0.3626, 0.3845

Background



This preview shows how black text looks on a background with the Yxy color 83.9719, 0.3626, 0.3845.

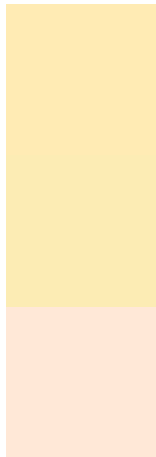


This preview shows how white text looks on a background with the Yxy color 83.9719, 0.3626, 0.3845.

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

83.9719, 0.3626, 0.3845

Protanopia

83.9816, 0.3602, 0.3859

Deuteranopia

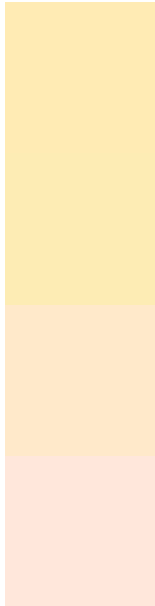
83.8795, 0.3398, 0.3461



Tritanopia

83.7094, 0.3222, 0.3163

Trichromacy



Original Color

83.9719, 0.3626, 0.3845

Protanomaly

84.1688, 0.3609, 0.3858

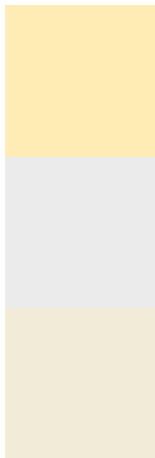
Deuteranomaly

83.8021, 0.3484, 0.3602

Tritanomaly

83.5263, 0.3373, 0.3410

Monochromacy



Original Color

83.9719, 0.3626, 0.3845

Achromatopsia

83.0770, 0.3127, 0.3290

Achromatomaly

83.2002, 0.3302, 0.3496

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.9719, 0.3626, 0.3845 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, 235, 180)` looks like.

```
.text, #text, p{  
    color:rgb(255, 235, 180)  
}
```

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, 235, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 235, 180) }
```

Border

The CSS property to change the border of an element to Yxy 83.9719, 0.3626, 0.3845 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, 235, 180) }
```

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

```
.border{ border-color:rgb(255, 235, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 235, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 235, 180); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 235, 180); box-shadow:4px 4px 4px 4px rgb(255, 235, 180) }
```


Background

The CSS property to change the background color of an element to Yxy 83.9719, 0.3626, 0.3845 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 235, 180) }
```

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

```
.background{ background-color: rgb(255,  
235, 180) }
```

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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