

Converting Colors

$Yxy(86.8046, 0.3693, 0.3743)$

Have a look what the booklet for
Yxy(86.8046, 0.3693, 0.3743)
contains.

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Color

Yxy(83.6935, 0.3582, 0.3765)

Conversions

Conversions Part 1

Format	Color
Hex	FFEABB
RGB	255, 234, 187
RGB Percent	100%, 92%, 73%
CMY	0.0001, 0.0823, 0.2666
CMYK	0.00, 0.08, 0.27, 0.00
HSL	41°, 100%, 87%
HSV	41°, 27%, 100%
XYZ	79.6255, 83.6935, 58.9745
YIQ	234.9210, 27.6030, -10.1650

Conversions

Conversions Part 2

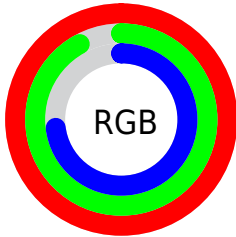
Format	Color
R _Y B	217, 255, 187
Decimal	16771771
CIE Lab	93.32, 0.15, 25.45
CIE LCh	93, 25.450, 89.656
Yxy	83.6935, 0.3582, 0.3765
Android (android.graphics.Color)	4294961851 (0xFFFFEABB)
YUV	234.9210, -23.6251, 17.6093
Hunter-Lab	91.4842, -4.7353, 25.8181

Details

The Yxy color **83.6935, 0.3582, 0.3765** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **62.8790, 0.2686, 0.2764**, and the grayscale version is **83.1824, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.2511, 0.3197, 0.3405**, and **45.5678, 0.3683, 0.3857** is the 20% darker color. If you saturate the color by 10%, you get **78.3219, 0.3778, 0.3948**, and if you desaturate by 10%, it is **89.4653, 0.3399, 0.3582**.

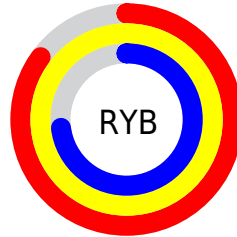
Distribution



Red (100%)

Green (92%)

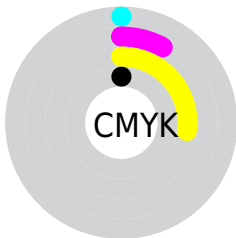
Blue (73%)



Red (85%)

Yellow (100%)

Blue (73%)

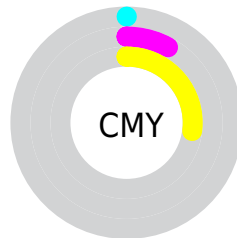


Cyan (0%)

Magenta (8%)

Yellow (27%)

Black (0%)



Cyan (0%)


Magenta (8%)


Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 83.6935, 0.3582, 0.3765 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 83.6935, 0.3582, 0.3765 by changing the saturation by 10% instead.

 83.6935, 0.3582,
0.3765

 83.6935, 0.3582,
0.3765


507.2949, 0.3378,
0.3552

 62.7624, 0.3627,
0.3812


 138.5463, 0.3513,
0.3693

 45.6490, 0.3681,
0.3869


173.2369, 0.3485,
0.3664

 31.9690, 0.3749,
0.3939


213.2827, 0.3461,
0.3639

 21.3378, 0.3834,
0.4028

259.0682, 0.3440,
0.3617

 13.3711, 0.3945,
0.4143

310.9778, 0.3422,
0.3598

 7.6846, 0.4093,
0.4297

369.3958, 0.3406,

 3.8938, 0.4296,

0.3581

0.4508

434.7067, 0.3391,
0.3566

■ 1.6143, 0.4882,
0.5118

■ 0.3672, 0.4900,
0.5100

■ 83.6935, 0.3582,
0.3765

■ 83.6935, 0.3582,
0.3765

■ 78.3219, 0.3778,
0.3948

■ 89.4653, 0.3399,
0.3582

■ 73.3263, 0.3982,
0.4123

■ 95.6378, 0.3230,
0.3404

■ 68.6966, 0.4187,
0.4279

99.9949, 0.3127,
0.3290

■ 64.4179, 0.4386,
0.4406

■ 60.4732, 0.4568,
0.4493

■ 56.8434, 0.4723,
0.4531

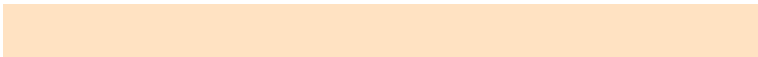
■ 53.5049, 0.4846,
0.4517

■ 52.4425, 0.4882,
0.4506

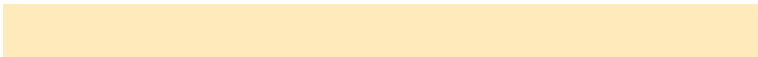
Harmonies

Analogous

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



83.6935, 0.3705, 0.3596



83.6935, 0.3582, 0.3765



83.6935, 0.3338, 0.3809

Triad

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



83.6935, 0.3582, 0.3765



83.6935, 0.2616, 0.3180



83.6935, 0.3189, 0.2927

Complementary

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



83.6935, 0.3582, 0.3765



62.8790, 0.2686, 0.2764

Split Complementary

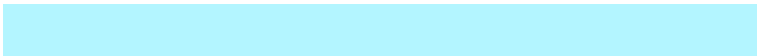
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



83.6935, 0.2900, 0.2819



83.6935, 0.3582, 0.3765



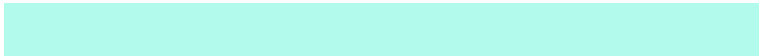
83.6935, 0.2580, 0.2950

Square

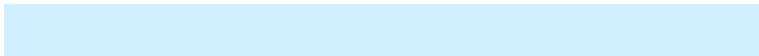
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



83.6935, 0.3582, 0.3765



83.6935, 0.2783, 0.3459



83.6935, 0.2681, 0.2824



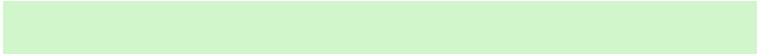
83.6935, 0.3473, 0.3121

Rectangle

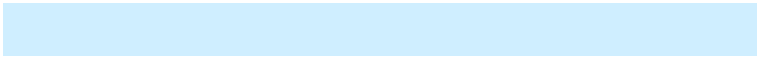
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



83.6935, 0.3582, 0.3765



83.6935, 0.3143, 0.3752



83.6935, 0.2681, 0.2824



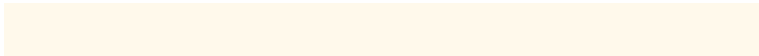
83.6935, 0.3089, 0.2880

Sweetspot

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



83.6973, 0.3582, 0.3765



94.8069, 0.3252, 0.3427



61.3789, 0.3523, 0.3069



20.0899, 0.3277, 0.3454



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

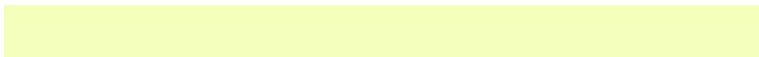
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.6973, 0.3582, 0.3765



80.7958, 0.3685, 0.3863



94.0593, 0.3447, 0.3978



20.0899, 0.3277, 0.3454



27.6861, 0.4868, 0.4517



2.8898, 0.4772, 0.4593

Inverse Universe

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



62.8790, 0.2686, 0.2764



56.7957, 0.2589, 0.2640



54.9683, 0.2748, 0.2539



18.2913, 0.2979, 0.3121



6.8979, 0.1615, 0.1013



0.8557, 0.1676, 0.1234

Previews

White Background



This preview shows how the Yxy color 83.6935, 0.3582, 0.3765 looks on a white background.

Color Contrast Check

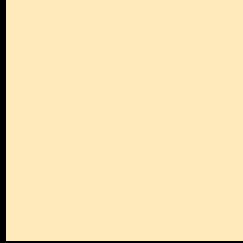
Large Text (above 18pt) WCAG AA × Fail

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 83.6935, 0.3582, 0.3765 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

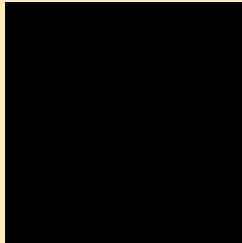
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 83.6935, 0.3582, 0.3765

Background



This preview shows how black text looks on a background with the Yxy color 83.6935, 0.3582, 0.3765.

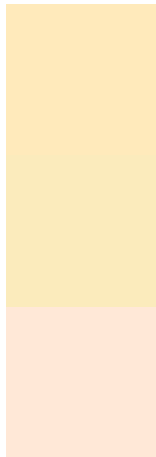


This preview shows how white text looks on a background with the Yxy color 83.6935, 0.3582, 0.3765.

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

83.6935, 0.3582, 0.3765

Protanopia

83.5567, 0.3544, 0.3769

Deuteranopia

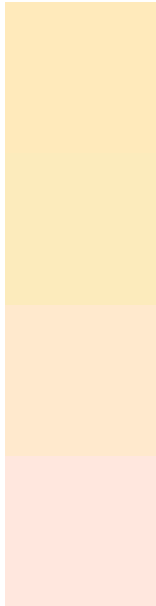
83.8795, 0.3398, 0.3461



Tritanopia

83.7094, 0.3222, 0.3163

Trichromacy



Original Color

83.6935, 0.3582, 0.3765

Protanomaly

83.7429, 0.3551, 0.3768

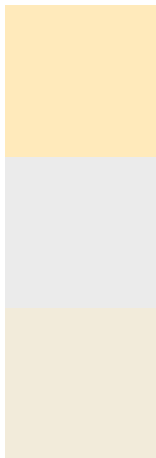
Deuteranomaly

83.9456, 0.3464, 0.3572

Tritanomaly

83.6858, 0.3353, 0.3380

Monochromacy



Original Color

83.6935, 0.3582, 0.3765

Achromatopsia

83.0770, 0.3127, 0.3290

Achromatomaly

83.3559, 0.3283, 0.3465

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.6935, 0.3582, 0.3765 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, 234, 187)` looks like.

```
.text, #text, p{  
    color:rgb(255, 234, 187)  
}
```

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, 234, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 234, 187) }
```

Border

The CSS property to change the border of an element to Yxy 83.6935, 0.3582, 0.3765 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, 234, 187) }
```

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

```
.border{ border-color:rgb(255, 234, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 234, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 234, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 234, 187);  
box-shadow:4px 4px 4px 4px rgb(255, 234,  
187) }
```


Background

The CSS property to change the background color of an element to Yxy 83.6935, 0.3582, 0.3765 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 234, 187) }
```

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

```
.background{ background-color: rgb(255,  
234, 187) }
```

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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