

Converting Colors

$Yxy(84.8931, 0.3476, 0.3614)$

Have a look what the booklet for
Yxy(84.8931, 0.3476, 0.3614)
contains.

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Color

Yxy(84.9885, 0.3473, 0.3612)

Conversions

Conversions Part 1

Format	Color
Hex	FFEBCB
RGB	255, 235, 203
RGB Percent	100%, 92%, 80%
CMY	0.0001, 0.0784, 0.2040
CMYK	0.00, 0.08, 0.20, 0.00
HSL	37°, 100%, 90%
HSV	37°, 20%, 100%
XYZ	81.7179, 84.9885, 68.5884
YIQ	237.3320, 22.1920, -5.7120

Conversions

Conversions Part 2

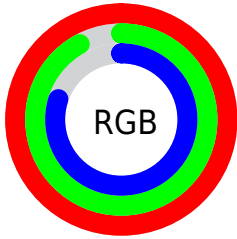
Format	Color
R _Y B	236, 255, 203
Decimal	16772043
CIE Lab	93.88, 1.83, 18.00
CIE LCh	94, 18.092, 84.201
Yxy	84.9885, 0.3473, 0.3612
Android (android.graphics.Color)	4294962123 (0xFFFFEBCB)
YUV	237.3320, -16.9257, 15.4948
Hunter-Lab	92.1892, -3.1060, 20.4209

Details

The Yxy color **84.9885, 0.3473, 0.3612** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **72.6555, 0.2799, 0.2946**, and the grayscale version is **85.0765, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **46.4159, 0.3550, 0.3676** is the 20% darker color. If you saturate the color by 10%, you get **78.4240, 0.3671, 0.3778**, and if you desaturate by 10%, it is **92.0688, 0.3294, 0.3450**.

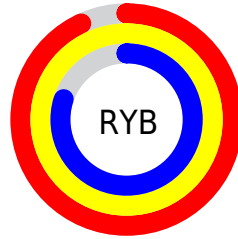
Distribution



Red (100%)

Green (92%)

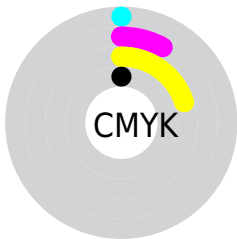
Blue (80%)



Red (93%)

Yellow (100%)

Blue (80%)

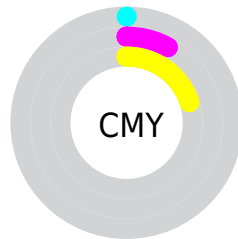


Cyan (0%)

Magenta (8%)

Yellow (20%)

Black (0%)



Cyan (0%)


Magenta (8%)

Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 84.9885, 0.3473, 0.3612 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 84.9885, 0.3473, 0.3612 by changing the saturation by 10% instead.


 84.9885, 0.3473,
0.3612

 84.9885, 0.3473,
0.3612

511.5900, 0.3317,
0.3468

 63.8319, 0.3508,
0.3644

140.3571, 0.3420,
0.3563

 46.5145, 0.3550,
0.3682


175.3379, 0.3399,
0.3544

 32.6520, 0.3602,
0.3730


215.6955, 0.3381,
0.3527

 21.8600, 0.3669,
0.3791

261.8144, 0.3365,
0.3512

 13.7541, 0.3757,
0.3870

314.0788, 0.3351,
0.3499

 7.9498, 0.3879,
0.3979

372.8733, 0.3338,

 4.0629, 0.4056,

0.3488

0.4134

438.5823, 0.3327,
0.3477

■ 1.7088, 0.4438,
0.4476

■ 0.4293, 0.5132,
0.4868

■ 84.9885, 0.3473,
0.3612

■ 84.9885, 0.3473,
0.3612

■ 78.4240, 0.3671,
0.3778

■ 92.0688, 0.3294,
0.3450

■ 72.3492, 0.3885,
0.3941

99.6675, 0.3133,
0.3296

■ 66.7523, 0.4111,
0.4095

99.9942, 0.3127,
0.3290

■ 61.6166, 0.4342,
0.4227

■ 56.9238, 0.4567,
0.4326

■ 52.6536, 0.4774,
0.4381

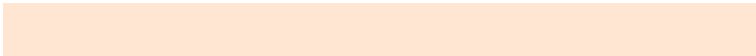
■ 48.7825, 0.4953,
0.4382

■ 45.4048, 0.5093,
0.4338

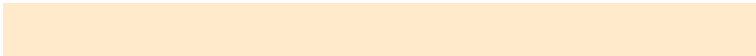
Harmonies

Analogous

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



84.9885, 0.3538, 0.3484



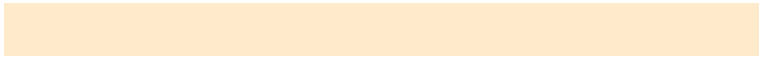
84.9885, 0.3473, 0.3612



84.9885, 0.3315, 0.3656

Triad

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



84.9885, 0.3473, 0.3612



84.9885, 0.2778, 0.3251



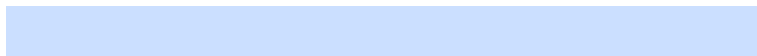
84.9885, 0.3134, 0.3009

Complementary

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



84.9885, 0.3473, 0.3612



72.6555, 0.2799, 0.2946

Split Complementary

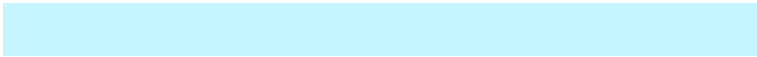
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



84.9885, 0.2933, 0.2946



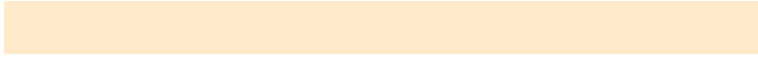
84.9885, 0.3473, 0.3612



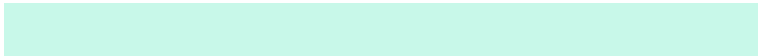
84.9885, 0.2733, 0.3077

Square

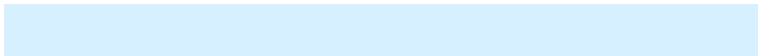
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



84.9885, 0.3473, 0.3612



84.9885, 0.2914, 0.3444



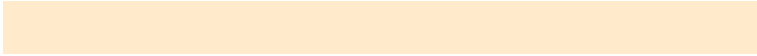
84.9885, 0.2789, 0.2968



84.9885, 0.3339, 0.3141

Rectangle

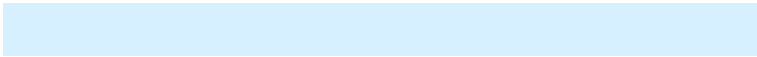
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



84.9885, 0.3473, 0.3612



84.9885, 0.3180, 0.3628



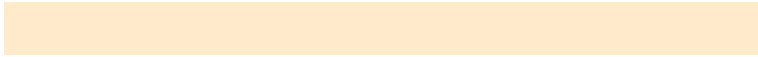
84.9885, 0.2789, 0.2968



84.9885, 0.3064, 0.2979

Sweetspot

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



84.9923, 0.3473, 0.3612



95.3638, 0.3221, 0.3381



69.3301, 0.3377, 0.3080



20.3062, 0.3232, 0.3392



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.



84.9923, 0.3473, 0.3612



82.5841, 0.3542, 0.3672



96.0933, 0.3401, 0.3806



19.8510, 0.3279, 0.3436



24.0294, 0.5074, 0.4353



2.5512, 0.4946, 0.4455

Inverse Universe

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



72.6555, 0.2799, 0.2946



68.4379, 0.2737, 0.2876



63.3609, 0.2819, 0.2729



18.5207, 0.2979, 0.3139



8.5910, 0.1670, 0.1212



1.0401, 0.1732, 0.1436

Previews

White Background



This preview shows how the Yxy color 84.9885, 0.3473, 0.3612 looks on a white background.

Color Contrast Check

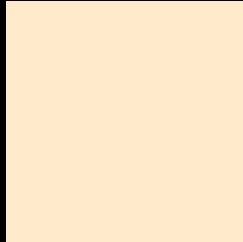
Large Text (above 18pt) WCAG AA × Fail

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 84.9885, 0.3473, 0.3612 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

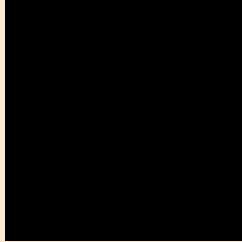
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

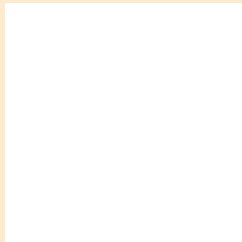
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 84.9885, 0.3473, 0.3612

Background



This preview shows how black text looks on a background with the Yxy color 84.9885, 0.3473, 0.3612.



This preview shows how white text looks on a background with the Yxy color 84.9885, 0.3473, 0.3612.

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

84.9885, 0.3473, 0.3612

Protanopia

85.0677, 0.3420, 0.3626

Deuteranopia

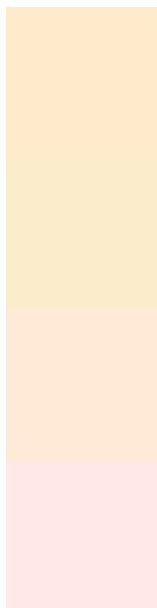
84.8118, 0.3350, 0.3400



Tritanopia

84.9435, 0.3208, 0.3163

Trichromacy



Original Color

84.9885, 0.3473, 0.3612

Protanomaly

84.8598, 0.3436, 0.3614

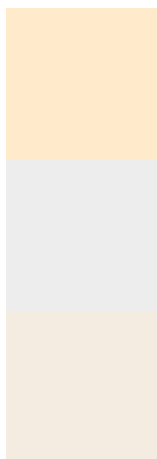
Deuteranomaly

85.0119, 0.3395, 0.3480

Tritanomaly

84.6304, 0.3305, 0.3320

Monochromacy



Original Color

84.9885, 0.3473, 0.3612

Achromatopsia

84.6873, 0.3127, 0.3290

Achromatomaly

84.6602, 0.3251, 0.3402

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.9885, 0.3473, 0.3612 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, 203)` looks like.

```
.text, #text, p{  
    color:rgb(255, 235, 203)  
}
```

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, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 235, 203) }
```

Border

The CSS property to change the border of an element to Yxy 84.9885, 0.3473, 0.3612 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, 203) }
```

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

```
.border{ border-color:rgb(255, 235, 203) }
```

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, 203) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 235, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 235, 203);  
box-shadow:4px 4px 4px 4px rgb(255, 235,  
203) }
```


Background

The CSS property to change the background color of an element to Yxy 84.9885, 0.3473, 0.3612 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, 203) }
```

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

```
.background{ background-color: rgb(255,  
235, 203) }
```

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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