

Converting Colors

$Y_{xy}(100.0000, 0.3962, 0.3600)$

Have a look what the booklet for
Yxy(100.0000, 0.3962, 0.3600)
contains.

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Color

Yxy(85.3744, 0.3498, 0.3662)

Conversions

Conversions Part 1

Format	Color
Hex	FFECC7
RGB	255, 236, 199
RGB Percent	100%, 93%, 78%
CMY	0.0000, 0.0745, 0.2196
CMYK	0.00, 0.07, 0.22, 0.00
HSL	40°, 100%, 89%
HSV	40°, 22%, 100%
XYZ	81.5510, 85.3744, 66.2106
YIQ	237.4630, 23.2010, -7.4790

Conversions

Conversions Part 2

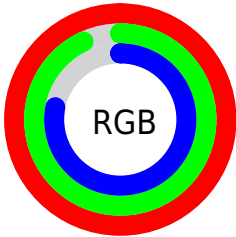
Format	Color
R _Y B	228, 255, 199
Decimal	16772295
CIE Lab	94.04, 0.79, 20.29
CIE LCh	94, 20.305, 87.776
Yxy	85.3744, 0.3498, 0.3662
Android (android.graphics.Color)	4294962375 (0xFFFFECC7)
YUV	237.4630, -18.9623, 15.3799
Hunter-Lab	92.3983, -4.1524, 22.1928

Details

The Yxy color **85.3744, 0.3498, 0.3662** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **69.5041, 0.2770, 0.2888**, and the grayscale version is **85.1971, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **46.6926, 0.3582, 0.3740** is the 20% darker color. If you saturate the color by 10%, you get **79.4239, 0.3692, 0.3839**, and if you desaturate by 10%, it is **91.7622, 0.3319, 0.3488**.

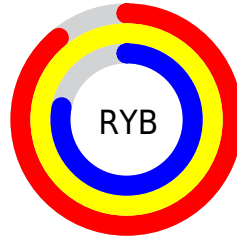
Distribution



Red (100%)

Green (93%)

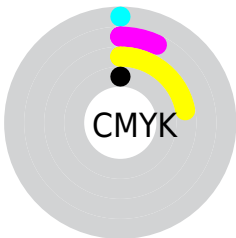
Blue (78%)



Red (89%)

Yellow (100%)

Blue (78%)

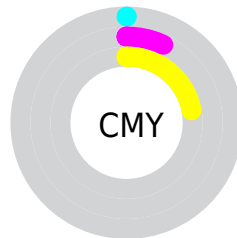


Cyan (0%)

Magenta (7%)

Yellow (22%)

Black (0%)



Cyan (0%)

Magenta (7%)

Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 85.3744, 0.3498, 0.3662 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 85.3744, 0.3498, 0.3662 by changing the saturation by 10% instead.

 85.3744, 0.3498,
0.3662

 85.3744, 0.3498,
0.3662


512.8661, 0.3331,
0.3495

 64.1508, 0.3535,
0.3699


140.8962, 0.3441,
0.3605

 46.7728, 0.3579,
0.3743


175.9631, 0.3419,
0.3583

 32.8561, 0.3635,
0.3798


216.4132, 0.3399,
0.3564

 22.0162, 0.3706,
0.3868

262.6310, 0.3383,
0.3547

 13.8688, 0.3799,
0.3960

315.0008, 0.3368,
0.3532

 8.0295, 0.3925,
0.4085

373.9069, 0.3354,

 4.1138, 0.4106,

0.3518

0.4261

439.7339, 0.3342,
0.3506

■ 1.7374, 0.4553,
0.4704

■ 0.4477, 0.4984,
0.5016

■ 85.3744, 0.3498,
0.3662

■ 85.3744, 0.3498,
0.3662

■ 79.4239, 0.3692,
0.3839

■ 91.7622, 0.3319,
0.3488

■ 73.9013, 0.3899,
0.4011

■ 98.6037, 0.3157,
0.3322

■ 68.7911, 0.4114,
0.4171

100.0000, 0.3127,
0.3290

■ 64.0779, 0.4328,
0.4308

■ 59.7450, 0.4532,
0.4410

■ 55.7734, 0.4715,
0.4465

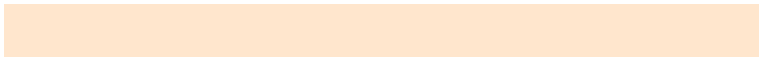
■ 52.1408, 0.4867,
0.4469

■ 49.4419, 0.4967,
0.4438

Harmonies

Analogous

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



85.3744, 0.3586, 0.3526



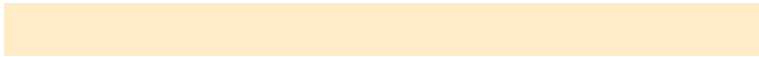
85.3744, 0.3498, 0.3662



85.3744, 0.3311, 0.3700

Triad

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



85.3744, 0.3498, 0.3662



85.3744, 0.2725, 0.3219



85.3744, 0.3163, 0.2991

Complementary

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



85.3744, 0.3498, 0.3662



69.5041, 0.2770, 0.2888

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.



85.3744, 0.2934, 0.2910



85.3744, 0.3498, 0.3662



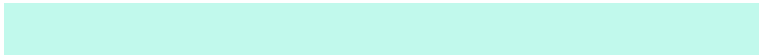
85.3744, 0.2688, 0.3031

Square

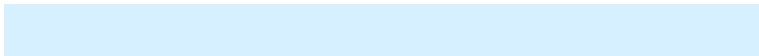
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



85.3744, 0.3498, 0.3662



85.3744, 0.2866, 0.3438



85.3744, 0.2763, 0.2922



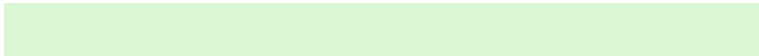
85.3744, 0.3389, 0.3144

Rectangle

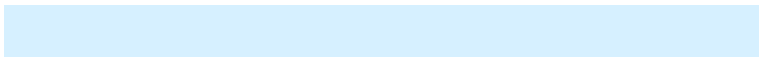
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



85.3744, 0.3498, 0.3662



85.3744, 0.3157, 0.3659



85.3744, 0.2763, 0.2922



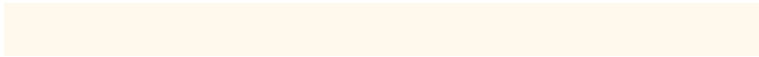
85.3744, 0.3084, 0.2954

Sweetspot

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



85.3732, 0.3498, 0.3662



95.0996, 0.3237, 0.3405



67.1989, 0.3422, 0.3091



20.2670, 0.3246, 0.3415



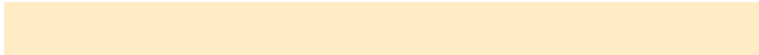
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

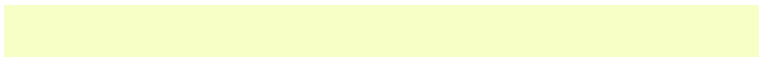
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.3732, 0.3498, 0.3662



82.9186, 0.3575, 0.3733



95.3448, 0.3404, 0.3850



19.9917, 0.3278, 0.3447



26.1223, 0.4951, 0.4451



2.7460, 0.4842, 0.4537

Inverse Universe

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



69.5041, 0.2770, 0.2888



64.6864, 0.2700, 0.2803



61.3883, 0.2811, 0.2683



18.3851, 0.2979, 0.3128



7.5408, 0.1636, 0.1090



0.9271, 0.1699, 0.1314

Previews

White Background



This preview shows how the Yxy color 85.3744, 0.3498, 0.3662 looks on a white background.

Color Contrast Check

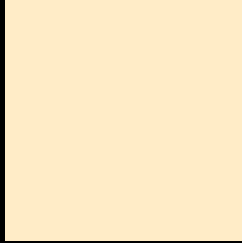
Large Text (above 18pt) WCAG AA × Fail

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 85.3744, 0.3498, 0.3662 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

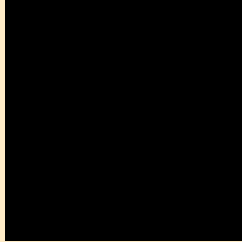
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 85.3744, 0.3498, 0.3662

Background



This preview shows how black text looks on a background with the Yxy color 85.3744, 0.3498, 0.3662.



This preview shows how white text looks on a background with the Yxy color 85.3744, 0.3498, 0.3662.

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

85.3744, 0.3498, 0.3662

Protanopia

85.2477, 0.3461, 0.3665

Deuteranopia

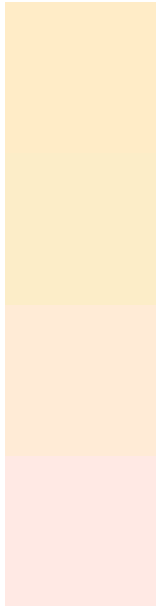
85.3796, 0.3349, 0.3410



Tritanopia

85.5658, 0.3201, 0.3163

Trichromacy



Original Color

85.3744, 0.3498, 0.3662

Protanomaly

85.4340, 0.3468, 0.3664

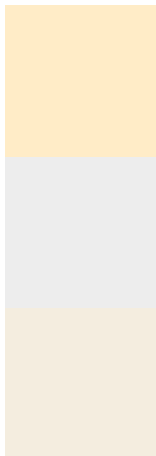
Deuteranomaly

85.5317, 0.3400, 0.3500

Tritanomaly

85.1393, 0.3310, 0.3340

Monochromacy



Original Color

85.3744, 0.3498, 0.3662

Achromatopsia

84.6873, 0.3127, 0.3290

Achromatomaly

85.1292, 0.3262, 0.3432

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.3744, 0.3498, 0.3662 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, 236, 199)` looks like.

```
.text, #text, p{  
    color:rgb(255, 236, 199)  
}
```

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, 236, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 236, 199) }
```

Border

The CSS property to change the border of an element to Yxy 85.3744, 0.3498, 0.3662 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, 236, 199) }
```

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

```
.border{ border-color:rgb(255, 236, 199) }
```

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

Here you see how a box with a 4 pixel rgb(255, 236, 199) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 236, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 236, 199);  
box-shadow:4px 4px 4px 4px rgb(255, 236,  
199) }
```


Background

The CSS property to change the background color of an element to Yxy 85.3744, 0.3498, 0.3662 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 236, 199) }
```

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

```
.background{ background-color: rgb(255,  
236, 199) }
```

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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