

Converting Colors

$Yxy(87.6682, 0.3505, 0.4061)$

Have a look what the booklet for
Yxy(87.6682, 0.3505, 0.4061)
contains.

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Color

Yxy(87.3715, 0.3504, 0.4060)

Conversions

Conversions Part 1

Format	Color
Hex	ECF7AD
RGB	236, 247, 173
RGB Percent	93%, 97%, 68%
CMY	0.0743, 0.0314, 0.3216
CMYK	0.04, 0.00, 0.30, 0.03
HSL	69°, 82%, 82%
HSV	69°, 30%, 97%
XYZ	75.4063, 87.3715, 52.4229
YIQ	235.2750, 17.1980, -25.3460

Conversions

Conversions Part 2

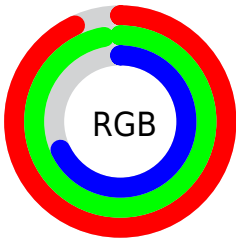
Format	Color
RYB	173, 247, 184
Decimal	15529901
CIELab	94.90, -15.13, 34.45
CIELCh	95, 37.621, 113.710
Yxy	87.3715, 0.3504, 0.4060
Android (android.graphics.Color)	4293719981 (0xFFECEF7AD)
YUV	235.2750, -30.7016, 0.6358
Hunter-Lab	93.4727, -19.5777, 32.1789

Details

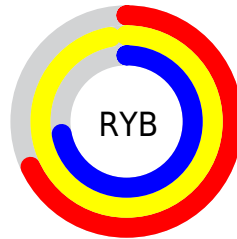
The Yxy color **87.3715, 0.3504, 0.4060** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **46.7851, 0.2673, 0.2429**, and the grayscale version is **83.5338, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.4371, 0.3280, 0.3542**, and **48.2014, 0.3570, 0.4238** is the 20% darker color. If you saturate the color by 10%, you get **85.8866, 0.3623, 0.4319**, and if you desaturate by 10%, it is **89.0538, 0.3379, 0.3797**.

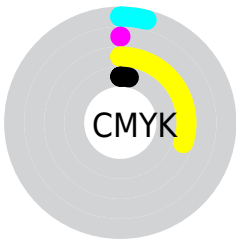
Distribution



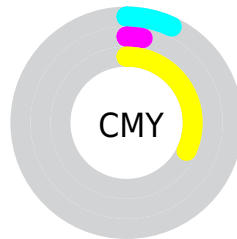
- Red (93%)
- Green (97%)
- Blue (68%)



- Red (68%)
- Yellow (97%)
- Blue (72%)



- Cyan (4%)
- Magenta (0%)
- Yellow (30%)
- Black (3%)





- Cyan (7%)
- Magenta (3%)
- Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 87.3715, 0.3504, 0.4060 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 87.3715, 0.3504, 0.4060 by changing the saturation by 10% instead.


 87.3715, 0.3504,
0.4060

 87.3715, 0.3504,
0.4060


519.4428, 0.3343,
0.3708

 65.8027, 0.3537,
0.4138


 143.6818, 0.3451,
0.3939

 48.1122, 0.3576,
0.4234


179.1921, 0.3430,
0.3892

 33.9158, 0.3622,
0.4354


220.1184, 0.3411,
0.3851

 22.8289, 0.3677,
0.4505

266.8450, 0.3394,
0.3815

 14.4672, 0.3742,
0.4704

319.7564, 0.3379,
0.3784

 8.4463, 0.3814,
0.4972

379.2369, 0.3366,

 4.3819, 0.3901,

0.3756

0.5372

445.6709, 0.3354,
0.3731

■ 1.8894, 0.3983,
0.6017

■ 0.5420, 0.2120,
0.7880

■ 87.3715, 0.3504,
0.4060

■ 87.3715, 0.3504,
0.4060

■ 85.8866, 0.3623,
0.4319

■ 89.0538, 0.3379,
0.3797

■ 84.5775, 0.3729,
0.4564


■ 90.9308, 0.3252,
0.3538

■ 83.4373, 0.3818,
0.4784


■ 93.0149, 0.3127,
0.3289

■ 82.4541, 0.3884,
0.4969

■ 94.1846, 0.3103,
0.3213

 81.6141, 0.3924,
0.5111

 94.8687, 0.3126,
0.3213

 80.9009, 0.3938,
0.5206

 94.9978, 0.3131,
0.3214

 80.2877, 0.3930,
0.5261

 80.2852, 0.3930,
0.5262

Harmonies

Analogous

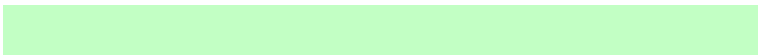
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.3715, 0.3837, 0.3934



87.3715, 0.3504, 0.4060



87.3715, 0.3084, 0.3950

Triad

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



87.3715, 0.3504, 0.4060



87.3715, 0.2342, 0.2843



87.3715, 0.3554, 0.2983

Complementary

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



87.3715, 0.3504, 0.4060



46.7851, 0.2673, 0.2429

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.



87.3715, 0.3125, 0.2733



87.3715, 0.3504, 0.4060



87.3715, 0.2446, 0.2641

Square

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



87.3715, 0.3504, 0.4060



87.3715, 0.2428, 0.3197



87.3715, 0.2722, 0.2609



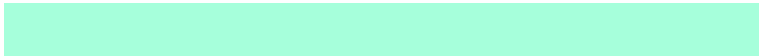
87.3715, 0.3876, 0.3310

Rectangle

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



87.3715, 0.3504, 0.4060



87.3715, 0.2813, 0.3746



87.3715, 0.2722, 0.2609



87.3715, 0.3416, 0.2889

Sweetspot

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



87.3754, 0.3504, 0.4060



97.9707, 0.3240, 0.3514



56.6010, 0.3771, 0.3398



20.9032, 0.3258, 0.3551



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

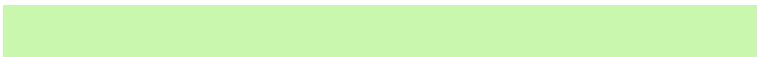
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.3754, 0.3504, 0.4060



92.9458, 0.3578, 0.4219



81.8320, 0.3259, 0.4124



19.1821, 0.3246, 0.3525



42.5118, 0.3934, 0.5258



3.7695, 0.3969, 0.5231

Inverse Universe

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



46.7851, 0.2673, 0.2429



42.8071, 0.2561, 0.2226



51.7954, 0.2946, 0.2493



16.0443, 0.3002, 0.3047



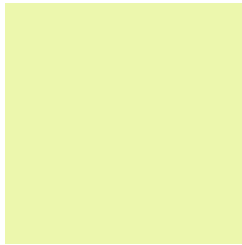
3.7920, 0.1560, 0.0633



0.3681, 0.1655, 0.0685

Previews

White Background



This preview shows how the Yxy color 87.3715, 0.3504, 0.4060 looks on a white background.

Color Contrast Check

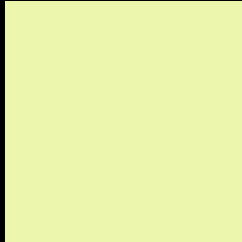
Large Text (above 18pt) WCAG AA × Fail

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 87.3715, 0.3504, 0.4060 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

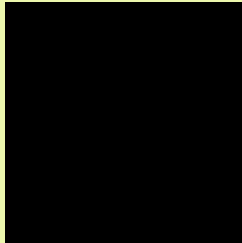
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 87.3715, 0.3504, 0.4060

Background



This preview shows how black text looks on a background with the Yxy color 87.3715, 0.3504, 0.4060.

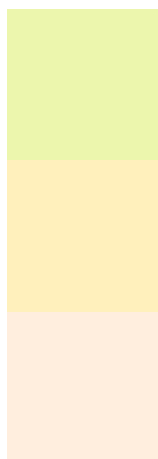


This preview shows how white text looks on a background with the Yxy color 87.3715, 0.3504, 0.4060.

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

87.3715, 0.3504, 0.4060

Protanopia

87.2110, 0.3561, 0.3812

Deuteranopia

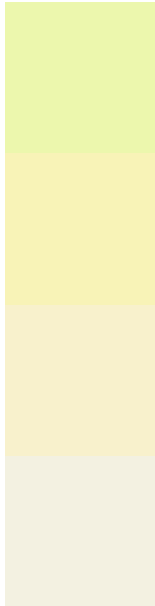
87.1023, 0.3345, 0.3439



Tritanopia

87.5625, 0.3083, 0.3114

Trichromacy



Original Color

87.3715, 0.3504, 0.4060

Protanomaly

87.4765, 0.3536, 0.3900

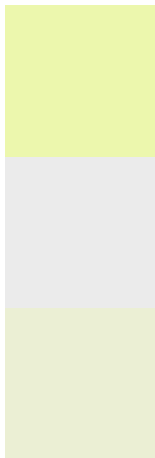
Deuteranomaly

87.2267, 0.3406, 0.3665

Tritanomaly

87.4015, 0.3239, 0.3452

Monochromacy



Original Color

87.3715, 0.3504, 0.4060

Achromatopsia

83.0770, 0.3127, 0.3290

Achromatomaly

84.1486, 0.3268, 0.3571

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.3715, 0.3504, 0.4060 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(236, 247, 173)` looks like.

```
.text, #text, p{  
    color:rgb(236, 247, 173)  
}
```

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(236, 247, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 247, 173) }
```

Border

The CSS property to change the border of an element to Yxy 87.3715, 0.3504, 0.4060 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(236, 247, 173) }
```

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

```
.border{ border-color:rgb(236, 247, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 247, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 247, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 247, 173);  
box-shadow:4px 4px 4px 4px rgb(236, 247,  
173) }
```


Background

The CSS property to change the background color of an element to Yxy 87.3715, 0.3504, 0.4060 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 247, 173) }
```

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

```
.background{ background-color: rgb(236,  
247, 173) }
```

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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