

Converting Colors

$Y_{xy}(86.5783, 0.3537, 0.4052)$

Have a look what the booklet for
Yxy(86.5783, 0.3537, 0.4052)
contains.

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Color

Yxy(86.6341, 0.3536, 0.4047)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | EFF5AC |
| RGB | 239, 245, 172 |
| RGB Percent | 94%, 96%, 67% |
| CMY | 0.0627, 0.0392, 0.3256 |
| CMYK | 0.02, 0.00, 0.30, 0.04 |
| HSL | 65°, 79%, 82% |
| HSV | 65°, 30%, 96% |
| XYZ | 75.6951, 86.6341, 51.7407 |
| YIQ | 234.8840, 19.8570, -23.9750 |

Conversions

Conversions Part 2

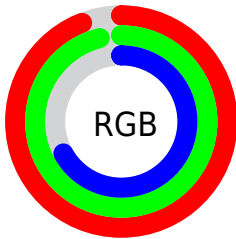
| Format | Color |
|-------------------------------------|--|
| RYB | 172, 245, 178 |
| Decimal | 15725996 |
| CIELab | 94.58, -13.19, 34.59 |
| CIELCh | 95, 37.019, 110.872 |
| Yxy | 86.6341, 0.3536, 0.4047 |
| Android (android.graphics.Color) | 4293916076 (0xFFEFF5AC) |
| YUV | 234.8840, -31.0018, 3.6097 |
| Hunter-Lab | 93.0774, -17.7206, 32.1956 |

Details

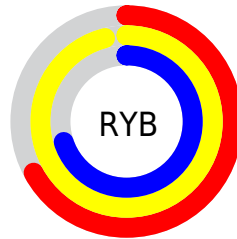
The Yxy color **86.6341, 0.3536, 0.4047** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **45.5420, 0.2641, 0.2426**, and the grayscale version is **83.2151, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.3814, 0.3286, 0.3552**, and **47.6722, 0.3612, 0.4219** is the 20% darker color. If you saturate the color by 10%, you get **85.4340, 0.3667, 0.4298**, and if you desaturate by 10%, it is **88.0194, 0.3399, 0.3789**.

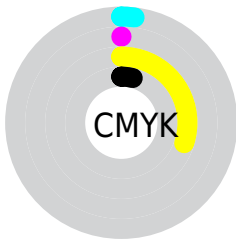
Distribution



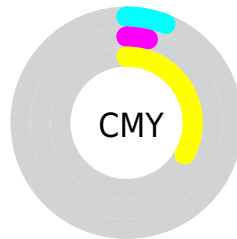
- Red (94%)
- Green (96%)
- Blue (67%)



- Red (67%)
- Yellow (96%)
- Blue (70%)



- Cyan (2%)
- Magenta (0%)
- Yellow (30%)
- Black (4%)





- Cyan (6%)
- Magenta (4%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 86.6341, 0.3536, 0.4047 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 86.6341, 0.3536, 0.4047 by changing the saturation by 10% instead.


 86.6341, 0.3536,
0.4047

 86.6341, 0.3536,
0.4047


517.0198, 0.3360,
0.3702

 65.1924, 0.3573,
0.4124


 142.6540, 0.3478,
0.3929

 47.6171, 0.3616,
0.4217


178.0011, 0.3454,
0.3882

 33.5238, 0.3667,
0.4334


218.7521, 0.3434,
0.3842

 22.5280, 0.3729,
0.4481

265.2914, 0.3415,
0.3807

 14.2454, 0.3803,
0.4674

318.0034, 0.3399,
0.3776

 8.2915, 0.3888,
0.4932

377.2726, 0.3385,

 4.2821, 0.3999,

0.3749

443.4832, 0.3372,
0.3724

0.5323

1.8326, 0.4093,
0.5907

0.5073, 0.2400,
0.7600

86.6341, 0.3536,
0.4047

86.6341, 0.3536,
0.4047

85.4340, 0.3667,
0.4298

88.0194, 0.3399,
0.3789

84.3979, 0.3786,
0.4533


89.5870, 0.3260,
0.3533

83.5192, 0.3887,
0.4741


91.3491, 0.3125,
0.3286


82.7861, 0.3965,
0.4912

92.3119, 0.3081,
0.3193

 82.1854, 0.4018,
0.5040


 92.6795, 0.3094,
0.3193

 81.7011, 0.4044,
0.5123

 93.0510, 0.3107,
0.3194

 81.3072, 0.4048,
0.5167

 93.4265, 0.3119,
0.3194

 81.3002, 0.4048,
0.5168

 93.7881, 0.3132,
0.3194

Harmonies

Analogous

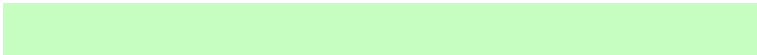
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.6341, 0.3850, 0.3905



86.6341, 0.3536, 0.4047



86.6341, 0.3125, 0.3961

Triad

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



86.6341, 0.3536, 0.4047



86.6341, 0.2352, 0.2877



86.6341, 0.3511, 0.2960

Complementary

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



86.6341, 0.3536, 0.4047



45.5420, 0.2641, 0.2426

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.



86.6341, 0.3084, 0.2723



86.6341, 0.3536, 0.4047



86.6341, 0.2437, 0.2661

Square

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



86.6341, 0.3536, 0.4047



86.6341, 0.2455, 0.3237



86.6341, 0.2695, 0.2613



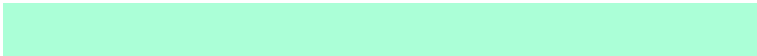
86.6341, 0.3844, 0.3278

Rectangle

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



86.6341, 0.3536, 0.4047



86.6341, 0.2853, 0.3773



86.6341, 0.2695, 0.2613



86.6341, 0.3372, 0.2869

Sweetspot

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



86.6380, 0.3536, 0.4047



98.2537, 0.3249, 0.3513



53.7674, 0.3782, 0.3345



20.9734, 0.3269, 0.3550



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

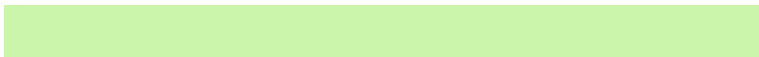
The Same Dimension uses a secret algorithm to generate beautiful new colors.



86.6380, 0.3536, 0.4047



94.0309, 0.3619, 0.4206



81.0678, 0.3291, 0.4111



19.2404, 0.3256, 0.3525



43.8252, 0.4050, 0.5166



3.8719, 0.4069, 0.5151

Inverse Universe

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



45.5420, 0.2641, 0.2426



42.1133, 0.2519, 0.2214



50.2815, 0.2909, 0.2489



15.9917, 0.2992, 0.3046



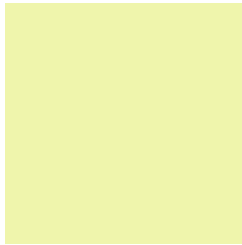
3.6554, 0.1526, 0.0614



0.3432, 0.1587, 0.0648

Previews

White Background



This preview shows how the Yxy color 86.6341, 0.3536, 0.4047 looks on a white background.

Color Contrast Check

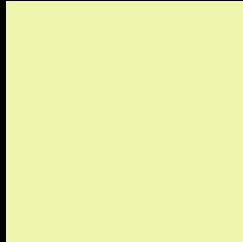
Large Text (above 18pt) WCAG AA × Fail

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 86.6341, 0.3536, 0.4047 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

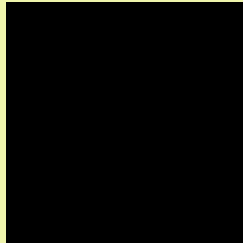
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 86.6341, 0.3536, 0.4047

Background



This preview shows how black text looks on a background with the Yxy color 86.6341, 0.3536, 0.4047.

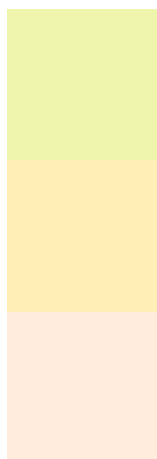


This preview shows how white text looks on a background with the Yxy color 86.6341, 0.3536, 0.4047.

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

86.6341, 0.3536, 0.4047

Protanopia

86.4119, 0.3596, 0.3853

Deuteranopia

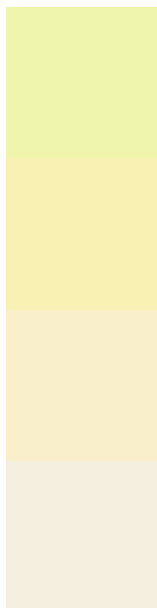
86.4182, 0.3359, 0.3449



Tritanopia

86.6482, 0.3109, 0.3114

Trichromacy



Original Color

86.6341, 0.3536, 0.4047

Protanomaly

86.3050, 0.3573, 0.3921

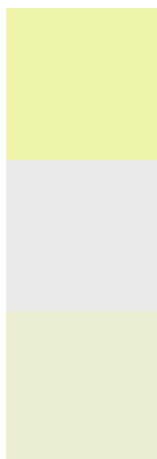
Deuteranomaly

86.1845, 0.3423, 0.3655

Tritanomaly

86.5273, 0.3261, 0.3442

Monochromacy



Original Color

86.6341, 0.3536, 0.4047

Achromatopsia

83.0770, 0.3127, 0.3290

Achromatomaly

84.3193, 0.3275, 0.3571

CSS Examples

Text

The CSS property to change the color of the text to Yxy 86.6341, 0.3536, 0.4047 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(239, 245, 172)` looks like.

```
.text, #text, p{  
    color:rgb(239, 245, 172)  
}
```

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(239, 245, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 245, 172) }
```

Border

The CSS property to change the border of an element to Yxy 86.6341, 0.3536, 0.4047 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(239, 245, 172) }
```

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

```
.border{ border-color:rgb(239, 245, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(239, 245, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 245, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 245, 172);  
box-shadow:4px 4px 4px 4px rgb(239, 245,  
172) }
```


Background

The CSS property to change the background color of an element to Yxy 86.6341, 0.3536, 0.4047 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 245, 172) }
```

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

```
.background{ background-color: rgb(239,  
245, 172) }
```

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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