

Converting Colors

$Yxy(86.8310, 0.3202, 0.3625)$

Have a look what the booklet for
Yxy(86.8310, 0.3202, 0.3625)
contains.

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Color

Yxy(86.4907, 0.3196, 0.3615)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | E3F5D6 |
| RGB | 227, 245, 214 |
| RGB Percent | 89%, 96%, 84% |
| CMY | 0.1099, 0.0392, 0.1607 |
| CMYK | 0.07, 0.00, 0.13, 0.04 |
| HSL | 95°, 61%, 90% |
| HSV | 95°, 13%, 96% |
| XYZ | 76.4659, 86.4907, 76.2984 |
| YIQ | 236.0840, -0.7770, -13.4570 |

Conversions

Conversions Part 2

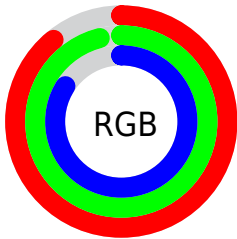
| Format | Color |
|-------------------------------------|--------------------------------|
| R_{YB} | 214, 245, 232 |
| Decimal | 14939606 |
| CIE _{Lab} | 94.52, -11.36, 12.91 |
| CIE _{LCh} | 95, 17.196, 131.338 |
| Yxy | 86.4907, 0.3196, 0.3615 |
| Android (android.graphics.Color) | 4293129686 (0xFFE3F5D6) |
| YUV | 236.0840, -10.8874, -7.9667 |
| Hunter-Lab | 93.0004, -15.9860, 16.4582 |

Details

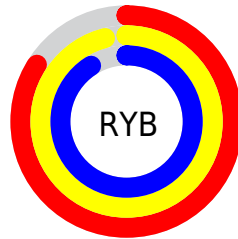
The Yxy color **86.4907, 0.3196, 0.3615** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **71.8644, 0.3050, 0.2969**, and the grayscale version is **84.0348, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **47.6691, 0.3216, 0.3697** is the 20% darker color. If you saturate the color by 10%, you get **83.1121, 0.3248, 0.3898**, and if you desaturate by 10%, it is **90.2571, 0.3142, 0.3355**.

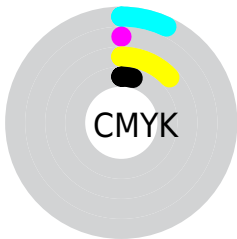
Distribution



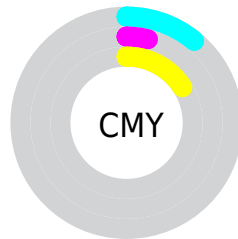
- Red (89%)
- Green (96%)
- Blue (84%)



- Red (84%)
- Yellow (96%)
- Blue (91%)



- Cyan (7%)
- Magenta (0%)
- Yellow (13%)
- Black (4%)




- Cyan (11%)
- Magenta (4%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 86.4907, 0.3196, 0.3615 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 86.4907, 0.3196, 0.3615 by changing the saturation by 10% instead.

 86.4907, 0.3196,
0.3615

 86.4907, 0.3196,
0.3615

516.5478, 0.3167,
0.3466

 65.0738, 0.3202,
0.3649


142.4540, 0.3186,
0.3564

 47.5209, 0.3210,
0.3690


177.7693, 0.3182,
0.3544

 33.4477, 0.3219,
0.3742


218.4861, 0.3179,
0.3526

 22.4696, 0.3230,
0.3809

264.9890, 0.3176,
0.3511

 14.2024, 0.3243,
0.3900

317.6621, 0.3173,
0.3498

 8.2615, 0.3261,
0.4029

376.8901, 0.3171,

 4.2628, 0.3282,

0.3486

0.4225

443.0572, 0.3169,
0.3476

■ 1.8216, 0.3310,
0.4566

■ 0.5006, 0.2840,
0.7160

■ 86.4907, 0.3196,
0.3615

■ 86.4907, 0.3196,
0.3615

■ 83.1121, 0.3248,
0.3898

■ 90.2571, 0.3142,
0.3355

■ 80.0970, 0.3296,
0.4200

■ 93.7905, 0.3132,
0.3194

■ 77.4354, 0.3335,
0.4512

■ 75.1125, 0.3363,
0.4822

■ 73.1122, 0.3374,
0.5116

■ 71.4170, 0.3366,
0.5374

■ 70.0071, 0.3338,
0.5582

■ 68.8597, 0.3291,
0.5729

■ 68.1608, 0.3250,
0.5801

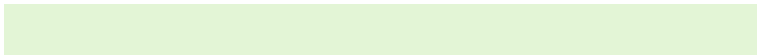
Harmonies

Analogous

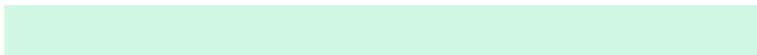
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.4907, 0.3377, 0.3630



86.4907, 0.3196, 0.3615



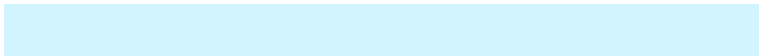
86.4907, 0.3001, 0.3505

Triad

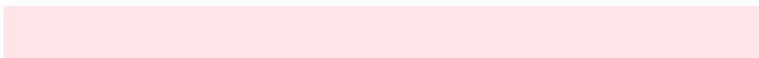
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



86.4907, 0.3196, 0.3615



86.4907, 0.2773, 0.3021



86.4907, 0.3418, 0.3239

Complementary

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



86.4907, 0.3196, 0.3615



71.8644, 0.3050, 0.2969

Split Complementary

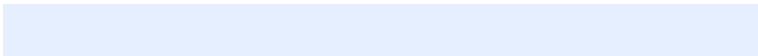
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



86.4907, 0.3248, 0.3089



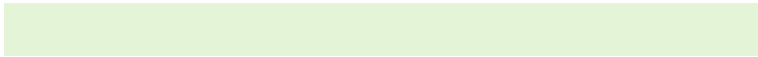
86.4907, 0.3196, 0.3615



86.4907, 0.2877, 0.2963

Square

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



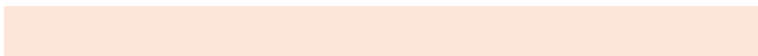
86.4907, 0.3196, 0.3615



86.4907, 0.2761, 0.3154



86.4907, 0.3049, 0.2989



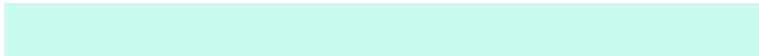
86.4907, 0.3508, 0.3407

Rectangle

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



86.4907, 0.3196, 0.3615



86.4907, 0.2889, 0.3393



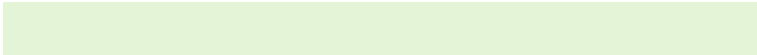
86.4907, 0.3049, 0.2989



86.4907, 0.3368, 0.3186

Sweetspot

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



86.4944, 0.3196, 0.3615



98.2520, 0.3149, 0.3389



81.7493, 0.3334, 0.3470



20.9612, 0.3153, 0.3408



0.0000, 0.0000, 0.0000



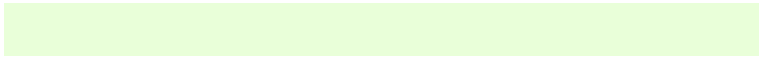
21.4041, 0.3127, 0.3290

Same Dimension

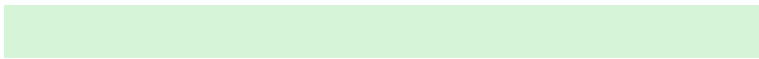
The Same Dimension uses a secret algorithm to generate beautiful new colors.



86.4944, 0.3196, 0.3615



93.7970, 0.3209, 0.3681



84.5731, 0.3099, 0.3601



18.8105, 0.3179, 0.3530



36.7935, 0.3262, 0.5792



3.2927, 0.3359, 0.5715

Inverse Universe

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



71.8644, 0.3050, 0.2969



75.0691, 0.3034, 0.2905



73.9880, 0.3156, 0.2998



16.4030, 0.3071, 0.3052



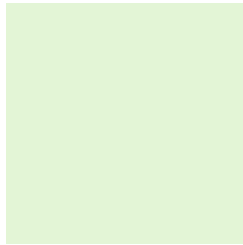
6.7600, 0.2192, 0.0981



0.6544, 0.2315, 0.1049

Previews

White Background



This preview shows how the Yxy color 86.4907, 0.3196, 0.3615 looks on a white background.

Color Contrast Check

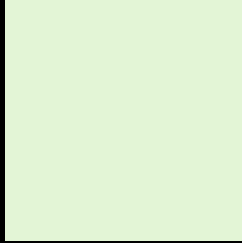
Large Text (above 18pt) WCAG AA × Fail

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 86.4907, 0.3196, 0.3615 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

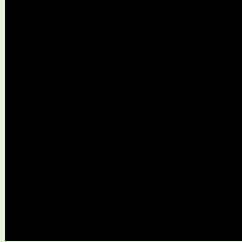
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

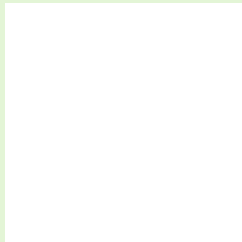
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 86.4907, 0.3196, 0.3615

Background



This preview shows how black text looks on a background with the Yxy color 86.4907, 0.3196, 0.3615.

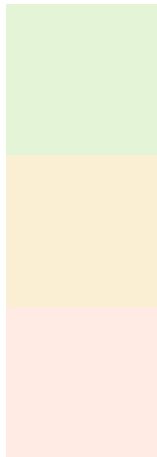


This preview shows how white text looks on a background with the Yxy color 86.4907, 0.3196, 0.3615.

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

86.4907, 0.3196, 0.3615

Protanopia

86.1762, 0.3380, 0.3563

Deuteranopia

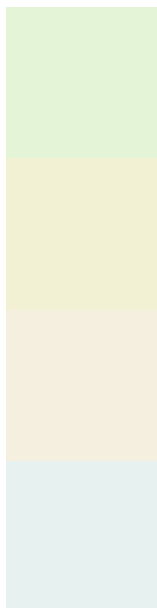
86.2781, 0.3308, 0.3360



Tritanopia

86.4454, 0.2999, 0.3130

Trichromacy



Original Color

86.4907, 0.3196, 0.3615

Protanomaly

86.5413, 0.3314, 0.3587

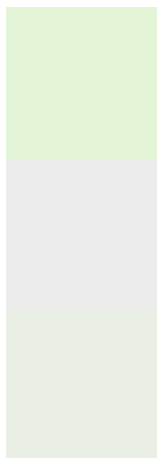
Deuteranomaly

86.4732, 0.3267, 0.3452

Tritanomaly

86.1908, 0.3068, 0.3300

Monochromacy



Original Color

86.4907, 0.3196, 0.3615

Achromatopsia

83.8799, 0.3127, 0.3290

Achromatomaly

84.6581, 0.3155, 0.3404

CSS Examples

Text

The CSS property to change the color of the text to Yxy 86.4907, 0.3196, 0.3615 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(227, 245, 214)` looks like.

```
.text, #text, p{  
    color:rgb(227, 245, 214)  
}
```

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(227, 245, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 245, 214) }
```

Border

The CSS property to change the border of an element to Yxy 86.4907, 0.3196, 0.3615 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(227, 245, 214) }
```

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

```
.border{ border-color:rgb(227, 245, 214) }
```

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

Here you see how a box with a 4 pixel rgb(227, 245, 214) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 245, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 245, 214);  
box-shadow:4px 4px 4px 4px rgb(227, 245,  
214) }
```


Background

The CSS property to change the background color of an element to Yxy 86.4907, 0.3196, 0.3615 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 245, 214) }
```

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

```
.background{ background-color: rgb(227,  
245, 214) }
```

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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