

Converting Colors

Yxy(86.6696, 0.3207, 0.3610)

Have a look what the booklet for
Yxy(86.6696, 0.3207, 0.3610)
contains.

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Color

Yxy(86.8179, 0.3210, 0.3614)

Conversions

Conversions Part 1

Format	Color
Hex	E5F5D6
RGB	229, 245, 214
RGB Percent	90%, 96%, 84%
CMY	0.1018, 0.0392, 0.1609
CMYK	0.07, 0.00, 0.13, 0.04
HSL	91°, 61%, 90%
HSV	91°, 13%, 96%
XYZ	77.1127, 86.8179, 76.2960
YIQ	236.6820, 0.4150, -13.0330

Conversions

Conversions Part 2

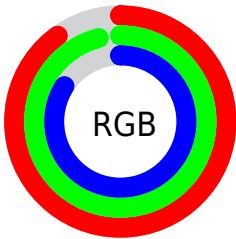
Format	Color
R _Y B	214, 245, 230
Decimal	15070678
CIE Lab	94.66, -10.65, 13.15
CIE LCh	95, 16.925, 128.998
Yxy	86.8179, 0.3210, 0.3614
Android (android.graphics.Color)	4293260758 (0xFFE5F5D6)
YUV	236.6820, -11.1822, -6.7371
Hunter-Lab	93.1761, -15.3313, 16.6745

Details

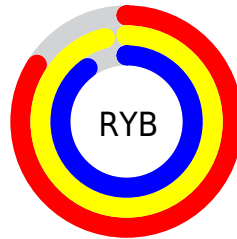
The Yxy color **86.8179, 0.3210, 0.3614** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **71.4844, 0.3035, 0.2967**, and the grayscale version is **84.5252, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **47.7826, 0.3224, 0.3696** is the 20% darker color. If you saturate the color by 10%, you get **83.6651, 0.3274, 0.3894**, and if you desaturate by 10%, it is **90.3168, 0.3145, 0.3355**.

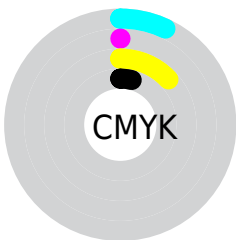
Distribution



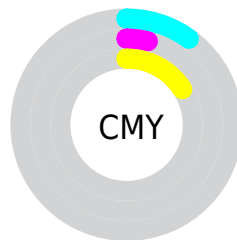
- Red (90%)
- Green (96%)
- Blue (84%)



- Red (84%)
- Yellow (96%)
- Blue (90%)



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





- Cyan (10%)
- Magenta (4%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 86.8179, 0.3210, 0.3614 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 86.8179, 0.3210, 0.3614 by changing the saturation by 10% instead.

 86.8179, 0.3210,
0.3614

 86.8179, 0.3210,
0.3614


517.6243, 0.3174,
0.3466

 65.3445, 0.3218,
0.3647

142.9103, 0.3198,
0.3563

 47.7405, 0.3227,
0.3688


178.2981, 0.3193,
0.3543

 33.6214, 0.3238,
0.3740


219.0928, 0.3189,
0.3526

 22.6029, 0.3252,
0.3807

265.6789, 0.3185,
0.3511

 14.3006, 0.3269,
0.3896

318.4407, 0.3182,
0.3498

 8.3300, 0.3292,
0.4024

377.7626, 0.3179,

 4.3068, 0.3321,

0.3486

0.4217

444.0290, 0.3177,
0.3476

■ 1.8466, 0.3361,
0.4550

■ 0.5160, 0.3087,
0.6913

■ 86.8179, 0.3210,
0.3614

■ 86.8179, 0.3210,
0.3614

■ 83.6651, 0.3274,
0.3894

■ 90.3168, 0.3145,
0.3355

■ 80.8355, 0.3333,
0.4190

■ 93.6368, 0.3127,
0.3194

■ 78.3207, 0.3383,
0.4493

■ 93.7812, 0.3132,
0.3194

■ 76.1073, 0.3421,
0.4794

■ 74.1813, 0.3442,
0.5075

■ 72.5267, 0.3442,
0.5323

■ 71.1259, 0.3419,
0.5522

■ 69.9580, 0.3376,
0.5663

■ 69.2277, 0.3335,
0.5734

Harmonies

Analogous

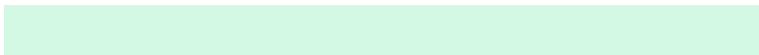
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.8179, 0.3385, 0.3621



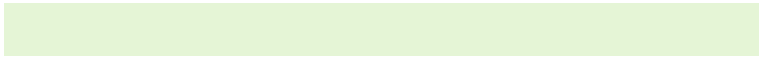
86.8179, 0.3210, 0.3614



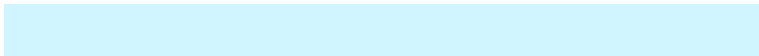
86.8179, 0.3017, 0.3512

Triad

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



86.8179, 0.3210, 0.3614



86.8179, 0.2774, 0.3033



86.8179, 0.3402, 0.3228

Complementary

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



86.8179, 0.3210, 0.3614



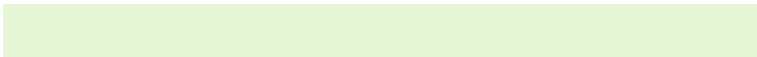
71.4844, 0.3035, 0.2967

Split Complementary

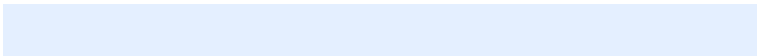
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



86.8179, 0.3231, 0.3083



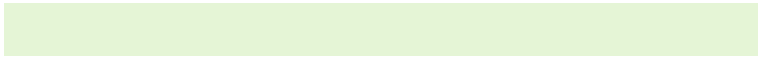
86.8179, 0.3210, 0.3614



86.8179, 0.2870, 0.2970

Square

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



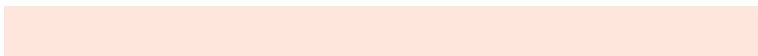
86.8179, 0.3210, 0.3614



86.8179, 0.2770, 0.3169



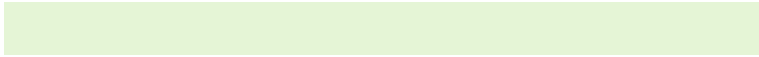
86.8179, 0.3036, 0.2989



86.8179, 0.3499, 0.3392

Rectangle

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



86.8179, 0.3210, 0.3614



86.8179, 0.2904, 0.3405



86.8179, 0.3036, 0.2989



86.8179, 0.3351, 0.3175

Sweetspot

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



86.8217, 0.3210, 0.3614



98.3795, 0.3153, 0.3389



80.5735, 0.3337, 0.3450



20.9935, 0.3158, 0.3408



0.0000, 0.0000, 0.0000



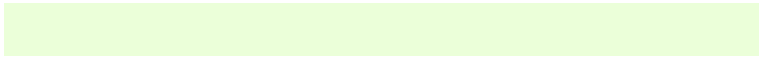
21.4041, 0.3127, 0.3290

Same Dimension

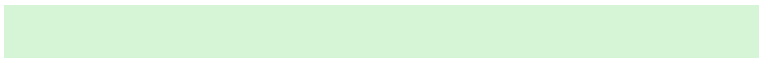
The Same Dimension uses a secret algorithm to generate beautiful new colors.



86.8217, 0.3210, 0.3614



94.2367, 0.3225, 0.3679



84.4480, 0.3111, 0.3624



18.8672, 0.3189, 0.3529



37.3782, 0.3347, 0.5725



3.3461, 0.3442, 0.5649

Inverse Universe

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



71.4844, 0.3035, 0.2967



74.6202, 0.3016, 0.2903



74.0859, 0.3142, 0.2977



16.3455, 0.3060, 0.3051



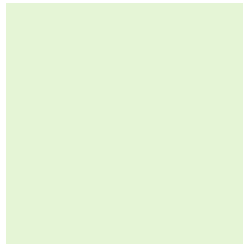
6.0212, 0.2050, 0.0903



0.5904, 0.2184, 0.0977

Previews

White Background



This preview shows how the Yxy color 86.8179, 0.3210, 0.3614 looks on a white background.

Color Contrast Check

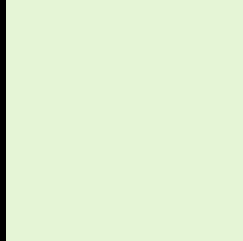
Large Text (above 18pt) WCAG AA × Fail

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 86.8179, 0.3210, 0.3614 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

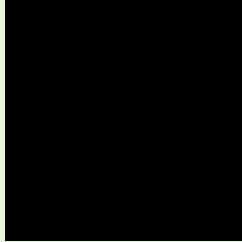
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

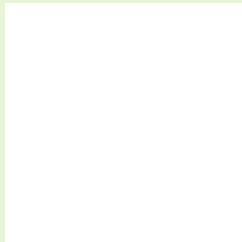
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 86.8179, 0.3210, 0.3614

Background



This preview shows how black text looks on a background with the Yxy color 86.8179, 0.3210, 0.3614.

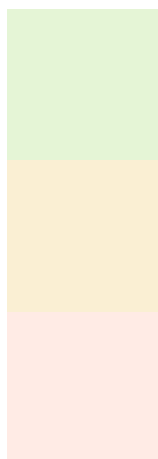


This preview shows how white text looks on a background with the Yxy color 86.8179, 0.3210, 0.3614.

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

86.8179, 0.3210, 0.3614

Protanopia

86.7601, 0.3378, 0.3572

Deuteranopia

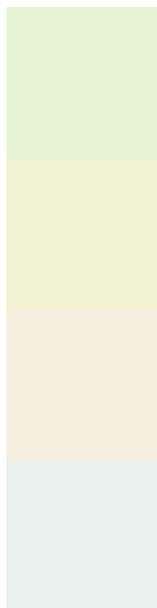
86.3338, 0.3302, 0.3350



Tritanopia

86.7859, 0.3012, 0.3130

Trichromacy



Original Color

86.8179, 0.3210, 0.3614

Protanomaly

86.5413, 0.3314, 0.3587

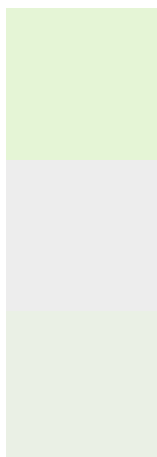
Deuteranomaly

86.7077, 0.3268, 0.3441

Tritanomaly

86.5255, 0.3081, 0.3300

Monochromacy



Original Color

86.8179, 0.3210, 0.3614

Achromatopsia

84.6873, 0.3127, 0.3290

Achromatomaly

85.4697, 0.3155, 0.3403

CSS Examples

Text

The CSS property to change the color of the text to Yxy 86.8179, 0.3210, 0.3614 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(229, 245, 214)` looks like.

```
.text, #text, p{  
    color:rgb(229, 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(229, 245, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 245, 214) }
```

Border

The CSS property to change the border of an element to Yxy 86.8179, 0.3210, 0.3614 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(229, 245, 214) }
```

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

```
.border{ border-color:rgb(229, 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(229, 245, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 245, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 245, 214);  
box-shadow:4px 4px 4px 4px rgb(229, 245,  
214) }
```


Background

The CSS property to change the background color of an element to Yxy 86.8179, 0.3210, 0.3614 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 245, 214) }
```

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

```
.background{ background-color: rgb(229,  
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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