

Converting Colors

Yxy(86.9646, 0.3118, 0.3488)

Have a look what the booklet for
Yxy(86.9646, 0.3118, 0.3488)
contains.

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Color

Yxy(86.9646, 0.3118, 0.3488)

Conversions

Conversions Part 1

Format	Color
Hex	E2F5E2
RGB	226, 245, 226
RGB Percent	89%, 96%, 89%
CMY	0.1137, 0.0392, 0.1138
CMYK	0.08, 0.00, 0.08, 0.04
HSL	120°, 49%, 92%
HSV	120°, 8%, 96%
XYZ	77.7396, 86.9646, 84.6209
YIQ	237.1530, -5.2250, -9.9370

Conversions

Conversions Part 2

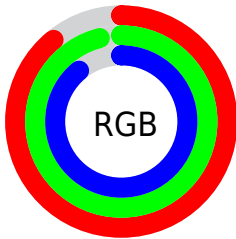
Format	Color
R_{YB}	226, 245, 245
Decimal	14874082
CIE Lab	94.72, -9.66, 7.02
CIE LCh	95, 11.941, 143.985
Yxy	86.9646, 0.3118, 0.3488
Android (android.graphics.Color)	4293064162 (0xFFE2F5E2)
YUV	237.1530, -5.4984, -9.7812
Hunter-Lab	93.2548, -14.3938, 11.4777

Details

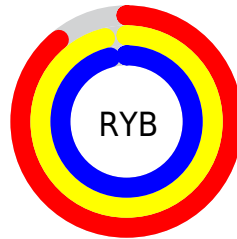
The Yxy color **86.9646, 0.3118, 0.3488** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **80.3831, 0.3136, 0.3100**, and the grayscale version is **84.8588, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **47.9934, 0.3116, 0.3532** is the 20% darker color. If you saturate the color by 10%, you get **82.0398, 0.3105, 0.3775**, and if you desaturate by 10%, it is **92.6538, 0.3130, 0.3237**.

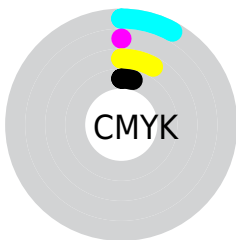
Distribution



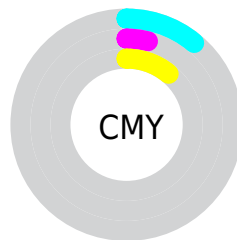
- Red (89%)
- Green (96%)
- Blue (89%)



- Red (89%)
- Yellow (96%)
- Blue (96%)



- Cyan (8%)
- Magenta (0%)
- Yellow (8%)
- Black (4%)




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

Brightness & Saturation Gradients


These gradients show how the Yxy color 86.9646, 0.3118, 0.3488 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 86.9646, 0.3118, 0.3488 by changing the saturation by 10% instead.

 86.9646, 0.3118,
0.3488

 86.9646, 0.3118,
0.3488


518.1065, 0.3123,
0.3398

 65.4659, 0.3117,
0.3508

143.1148, 0.3120,
0.3457

 47.8390, 0.3115,
0.3533

178.5351, 0.3120,
0.3445

 33.6994, 0.3113,
0.3564


219.3647, 0.3121,
0.3434

 22.6628, 0.3111,
0.3604

265.9881, 0.3121,
0.3425

 14.3447, 0.3107,
0.3659

318.7895, 0.3122,
0.3417

 8.3608, 0.3100,
0.3735

378.1535, 0.3122,

 4.3267, 0.3090,

0.3410

0.3852

444.4644, 0.3122,
0.3404

■ 1.8579, 0.3068,
0.4052

■ 0.5229, 0.3028,
0.6062

■ 86.9646, 0.3118,
0.3488

■ 86.9646, 0.3118,
0.3488

■ 82.0398, 0.3105,
0.3775

■ 92.6538, 0.3130,
0.3237

■ 77.8363, 0.3090,
0.4095

■ 93.7907, 0.3132,
0.3194

■ 74.3237, 0.3074,
0.4443

■ 71.4650, 0.3057,
0.4805

■ 69.2198, 0.3040,
0.5159

■ 67.5432, 0.3025,
0.5478

■ 66.3844, 0.3013,
0.5733

■ 65.6832, 0.3005,
0.5904

■ 65.3596, 0.3001,
0.5987

Harmonies

Analogous

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



86.9646, 0.3252, 0.3528



86.9646, 0.3118, 0.3488



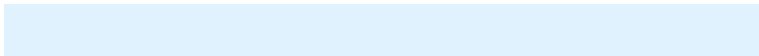
86.9646, 0.2989, 0.3391

Triad

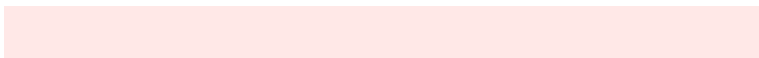
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



86.9646, 0.3118, 0.3488



86.9646, 0.2903, 0.3079



86.9646, 0.3362, 0.3306

Complementary

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



86.9646, 0.3118, 0.3488



80.3831, 0.3136, 0.3100

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.



86.9646, 0.3265, 0.3191



86.9646, 0.3118, 0.3488



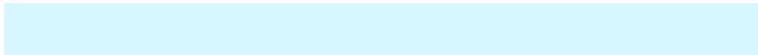
86.9646, 0.3000, 0.3062

Square

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



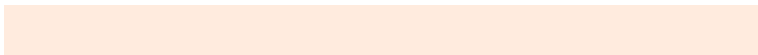
86.9646, 0.3118, 0.3488



86.9646, 0.2866, 0.3153



86.9646, 0.3132, 0.3103



86.9646, 0.3395, 0.3419

Rectangle

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



86.9646, 0.3118, 0.3488



86.9646, 0.2922, 0.3309



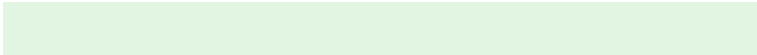
86.9646, 0.3132, 0.3103



86.9646, 0.3336, 0.3266

Sweetspot

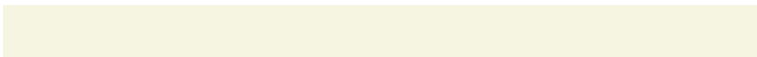
The Sweet Spot groups the original color and five complimentary colors.



86.9683, 0.3118, 0.3488



98.7224, 0.3125, 0.3339



90.0228, 0.3243, 0.3478



21.1440, 0.3125, 0.3337



0.0000, 0.0000, 0.0000



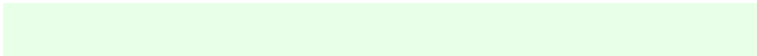
21.4041, 0.3127, 0.3290

Same Dimension

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



86.9683, 0.3118, 0.3488



94.5173, 0.3116, 0.3522



87.4838, 0.3064, 0.3391



18.4729, 0.3116, 0.3535



35.1823, 0.3000, 0.6000



3.0925, 0.3001, 0.5999

Inverse Universe

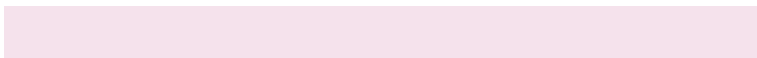
The Inverse Universe completely reimagines the original color for something new.



80.3831, 0.3136, 0.3100



86.2168, 0.3137, 0.3069



79.8386, 0.3196, 0.3191



16.7674, 0.3138, 0.3057



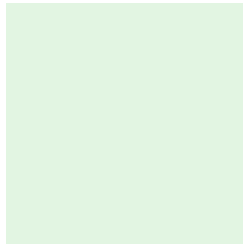
13.9849, 0.3207, 0.1540



1.2294, 0.3207, 0.1540

Previews

White Background



This preview shows how the Yxy color 86.9646, 0.3118, 0.3488 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 86.9646, 0.3118, 0.3488 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

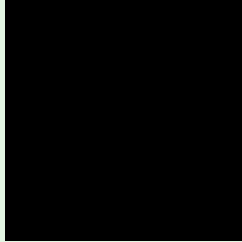
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

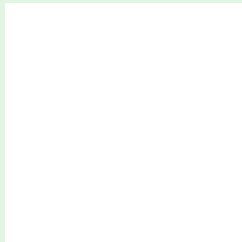
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 86.9646, 0.3118, 0.3488

Background



This preview shows how black text looks on a background with the Yxy color 86.9646, 0.3118, 0.3488.

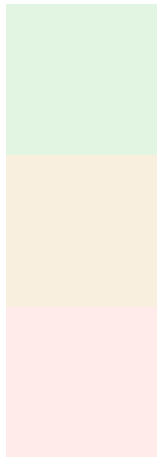


This preview shows how white text looks on a background with the Yxy color 86.9646, 0.3118, 0.3488.

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

86.9646, 0.3118, 0.3488

Protanopia

87.0172, 0.3288, 0.3451

Deuteranopia

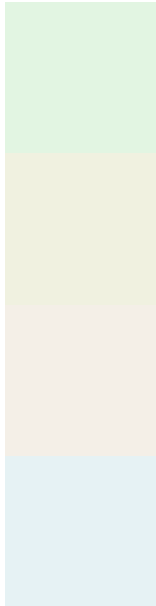
86.6172, 0.3269, 0.3300



Tritanopia

86.8638, 0.2993, 0.3139

Trichromacy



Original Color

86.9646, 0.3118, 0.3488

Protanomaly

86.8177, 0.3225, 0.3463

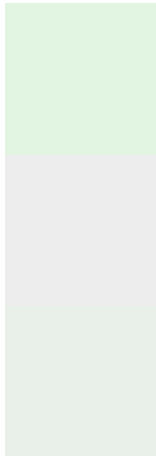
Deuteranomaly

86.7356, 0.3210, 0.3371

Tritanomaly

86.8589, 0.3038, 0.3269

Monochromacy



Original Color

86.9646, 0.3118, 0.3488

Achromatopsia

84.6873, 0.3127, 0.3290

Achromatomaly

85.5270, 0.3124, 0.3362

CSS Examples

Text

The CSS property to change the color of the text to Yxy 86.9646, 0.3118, 0.3488 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(226, 245, 226)` looks like.

```
.text, #text, p{  
    color:rgb(226, 245, 226)  
}
```

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(226, 245, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 245, 226) }
```

Border

The CSS property to change the border of an element to Yxy 86.9646, 0.3118, 0.3488 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(226, 245, 226) }
```

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

```
.border{ border-color:rgb(226, 245, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 245, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 245, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 245, 226);  
box-shadow:4px 4px 4px 4px rgb(226, 245,  
226) }
```


Background

The CSS property to change the background color of an element to Yxy 86.9646, 0.3118, 0.3488 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 245, 226) }
```

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

```
.background{ background-color: rgb(226,  
245, 226) }
```

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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