

Converting Colors

$Yxy(85.3413, 0.3117, 0.3387)$

Have a look what the booklet for
Yxy(85.3413, 0.3117, 0.3387)
contains.

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Color

Yxy(85.5031, 0.3116, 0.3393)

Conversions

Conversions Part 1

Format	Color
Hex	E6F1E7
RGB	230, 241, 231
RGB Percent	90%, 95%, 91%
CMY	0.0979, 0.0549, 0.0941
CMYK	0.05, 0.00, 0.04, 0.05
HSL	125°, 28%, 92%
HSV	125°, 5%, 95%
XYZ	78.5227, 85.5031, 87.9727
YIQ	236.5710, -3.3460, -5.4420

Conversions

Conversions Part 2

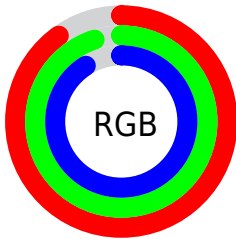
Format	Color
R _Y B	230, 240, 241
Decimal	15135207
CIE Lab	94.10, -5.41, 3.55
CIE LCh	94, 6.467, 146.707
Yxy	85.5031, 0.3116, 0.3393
Android (android.graphics.Color)	4293325287 (0xFFE6F1E7)
YUV	236.5710, -2.7465, -5.7628
Hunter-Lab	92.4679, -10.2385, 8.3198

Details

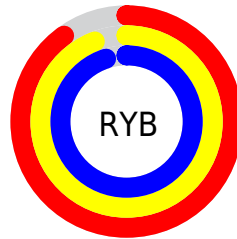
The Yxy color **85.5031, 0.3116, 0.3393** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **81.6092, 0.3138, 0.3189**, and the grayscale version is **84.3717, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **46.9070, 0.3121, 0.3423** is the 20% darker color. If you saturate the color by 10%, you get **80.6259, 0.3091, 0.3643**, and if you desaturate by 10%, it is **91.0947, 0.3140, 0.3175**.

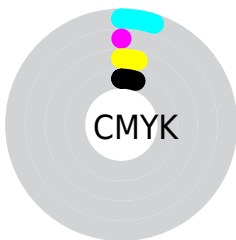
Distribution



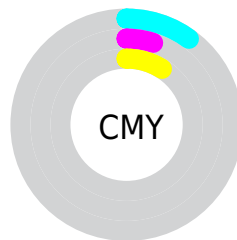
- Red (90%)
- Green (95%)
- Blue (91%)



- Red (90%)
- Yellow (94%)
- Blue (95%)



- Cyan (5%)
- Magenta (0%)
- Yellow (4%)
- Black (5%)





- Cyan (10%)
- Magenta (5%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 85.5031, 0.3116, 0.3393 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 85.5031, 0.3116, 0.3393 by changing the saturation by 10% instead.


 85.5031, 0.3116,
0.3393

 85.5031, 0.3116,
0.3393

513.2913, 0.3121,
0.3346

 64.2572, 0.3115,
0.3403


141.0759, 0.3118,
0.3377

 46.8590, 0.3113,
0.3416


176.1715, 0.3119,
0.3371

 32.9242, 0.3111,
0.3432


216.6525, 0.3119,
0.3365

 22.0684, 0.3109,
0.3453

262.9032, 0.3120,
0.3361

 13.9072, 0.3106,
0.3481

315.3080, 0.3120,
0.3356

 8.0561, 0.3101,
0.3520

374.2514, 0.3121,

 4.1309, 0.3093,

0.3353

0.3580

440.1177, 0.3121,
0.3349

■ 1.7470, 0.3079,
0.3681

■ 0.4538, 0.2996,
0.4542

■ 85.5031, 0.3116,
0.3393

■ 85.5031, 0.3116,
0.3393

■ 80.6259, 0.3091,
0.3643

■ 91.0947, 0.3140,
0.3175

■ 76.4238, 0.3064,
0.3924

■ 91.3868, 0.3133,
0.3156

■ 72.8703, 0.3039,
0.4233

■ 69.9332, 0.3015,
0.4564

■ 67.5773, 0.2995,
0.4901

■ 65.7637, 0.2980,
0.5226

■ 64.4490, 0.2973,
0.5515

■ 63.5830, 0.2974,
0.5744

■ 63.1049, 0.2982,
0.5900

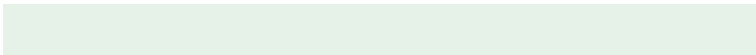
Harmonies

Analogous

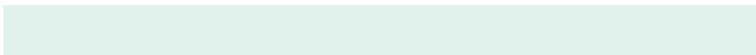
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.5031, 0.3190, 0.3418



85.5031, 0.3116, 0.3393



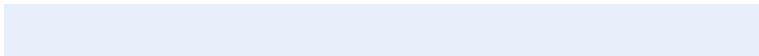
85.5031, 0.3046, 0.3339

Triad

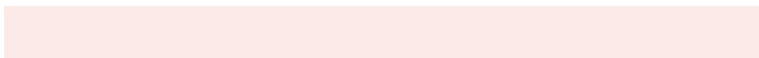
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



85.5031, 0.3116, 0.3393



85.5031, 0.3008, 0.3173



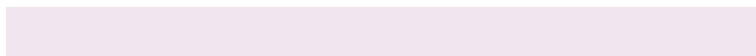
85.5031, 0.3258, 0.3306

Complementary

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



85.5031, 0.3116, 0.3393



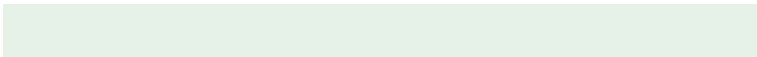
81.6092, 0.3138, 0.3189

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.



85.5031, 0.3208, 0.3241



85.5031, 0.3116, 0.3393



85.5031, 0.3064, 0.3165

Square

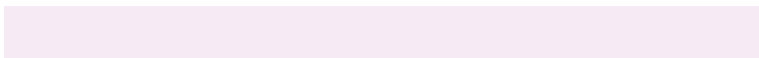
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



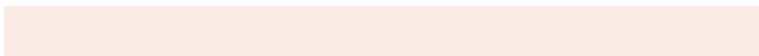
85.5031, 0.3116, 0.3393



85.5031, 0.2984, 0.3211



85.5031, 0.3137, 0.3190



85.5031, 0.3272, 0.3367

Rectangle

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



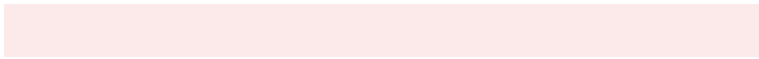
85.5031, 0.3116, 0.3393



85.5031, 0.3011, 0.3295



85.5031, 0.3137, 0.3190



85.5031, 0.3245, 0.3284

Sweetspot

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



85.5068, 0.3116, 0.3393



99.3707, 0.3125, 0.3312



87.1617, 0.3188, 0.3401



21.2761, 0.3125, 0.3311



0.0000, 0.0000, 0.0000



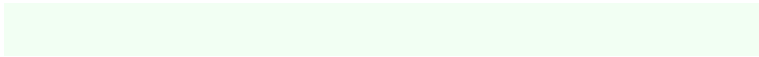
21.4041, 0.3127, 0.3290

Same Dimension

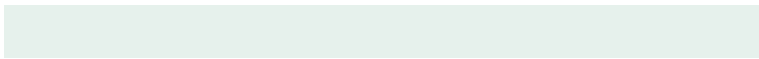
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.5068, 0.3116, 0.3393



96.9354, 0.3115, 0.3404



85.8178, 0.3083, 0.3337



18.0839, 0.3113, 0.3420



34.1531, 0.2983, 0.5940



2.8489, 0.2945, 0.5801

Inverse Universe

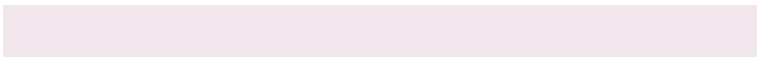
The Inverse Universe completely reimagines the original color for something new.



81.6092, 0.3138, 0.3189



92.0608, 0.3140, 0.3179



81.2918, 0.3173, 0.3244



17.0537, 0.3141, 0.3163



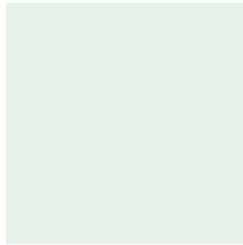
12.9445, 0.3445, 0.1671



1.0839, 0.3410, 0.1652

Previews

White Background



This preview shows how the Yxy color 85.5031, 0.3116, 0.3393 looks on a white background.

Color Contrast Check

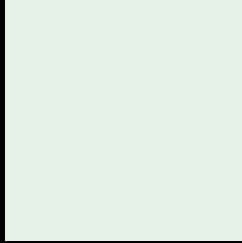
Large Text (above 18pt) WCAG AA × Fail

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 85.5031, 0.3116, 0.3393 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

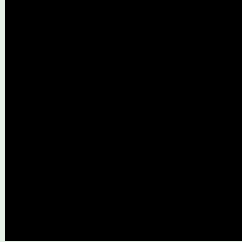
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

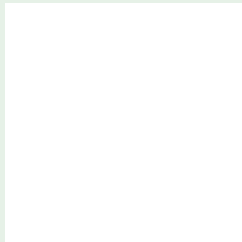
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 85.5031, 0.3116, 0.3393

Background



This preview shows how black text looks on a background with the Yxy color 85.5031, 0.3116, 0.3393.

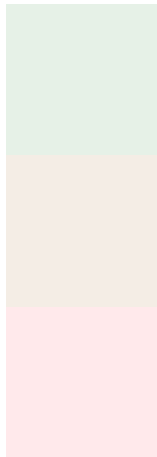


This preview shows how white text looks on a background with the Yxy color 85.5031, 0.3116, 0.3393.

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

85.5031, 0.3116, 0.3393

Protanopia

85.4586, 0.3224, 0.3371

Deuteranopia

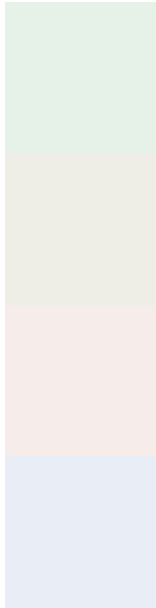
85.5360, 0.3265, 0.3271



Tritanopia

85.2808, 0.2999, 0.3109

Trichromacy



Original Color

85.5031, 0.3116, 0.3393

Protanomaly

85.2130, 0.3183, 0.3372

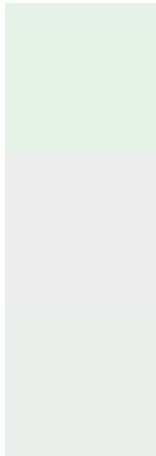
Deuteranomaly

85.5242, 0.3207, 0.3310

Tritanomaly

85.1265, 0.3046, 0.3209

Monochromacy



Original Color

85.5031, 0.3116, 0.3393

Achromatopsia

84.6873, 0.3127, 0.3290

Achromatomaly

84.6397, 0.3119, 0.3321

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.5031, 0.3116, 0.3393 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(230, 241, 231)` looks like.

```
.text, #text, p{  
    color:rgb(230, 241, 231)  
}
```

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(230, 241, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 241, 231) }
```

Border

The CSS property to change the border of an element to Yxy 85.5031, 0.3116, 0.3393 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(230, 241, 231) }
```

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

```
.border{ border-color:rgb(230, 241, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 241, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 241, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 241, 231);  
box-shadow:4px 4px 4px 4px rgb(230, 241,  
231) }
```


Background

The CSS property to change the background color of an element to Yxy 85.5031, 0.3116, 0.3393 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 241, 231) }
```

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

```
.background{ background-color: rgb(230,  
241, 231) }
```

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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