

Converting Colors

$Yxy(85.0443, 0.3144, 0.3509)$

Have a look what the booklet for
Yxy(85.0443, 0.3144, 0.3509)
contains.

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Color

Yxy(84.8935, 0.3150, 0.3510)

Conversions

Conversions Part 1

Format	Color
Hex	E2F2DD
RGB	226, 242, 221
RGB Percent	89%, 95%, 87%
CMY	0.1134, 0.0510, 0.1333
CMYK	0.07, 0.00, 0.09, 0.05
HSL	105°, 45%, 91%
HSV	105°, 9%, 95%
XYZ	76.1865, 84.8935, 80.7818
YIQ	234.8220, -2.7950, -9.9230

Conversions

Conversions Part 2

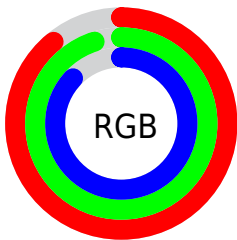
Format	Color
R_{YB}	221, 242, 237
Decimal	14873309
CIE _{Lab}	93.84, -8.97, 8.32
CIE _{LCh}	94, 12.236, 137.175
Yxy	84.8935, 0.3150, 0.3510
Android (android.graphics.Color)	4293063389 (0xFFE2F2DD)
YUV	234.8220, -6.8142, -7.7369
Hunter-Lab	92.1377, -13.6435, 12.5138

Details

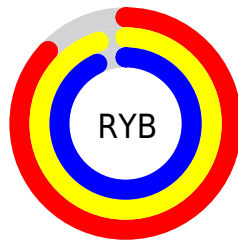
The Yxy color **84.8935, 0.3150, 0.3510** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **76.1164, 0.3102, 0.3075**, and the grayscale version is **83.0013, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **46.5289, 0.3156, 0.3561** is the 20% darker color. If you saturate the color by 10%, you get **80.8883, 0.3175, 0.3791**, and if you desaturate by 10%, it is **89.4093, 0.3124, 0.3258**.

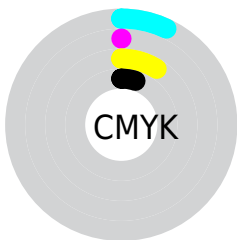
Distribution



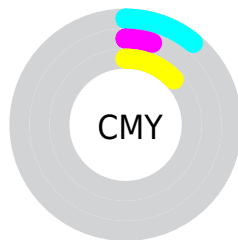
- Red (89%)
- Green (95%)
- Blue (87%)



- Red (87%)
- Yellow (95%)
- Blue (93%)



- Cyan (7%)
- Magenta (0%)
- Yellow (9%)
- Black (5%)




- Cyan (11%)
- Magenta (5%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 84.8935, 0.3150, 0.3510 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 84.8935, 0.3150, 0.3510 by changing the saturation by 10% instead.


 84.8935, 0.3150,
0.3510

 84.8935, 0.3150,
0.3510


511.2756, 0.3140,
0.3410

 63.7534, 0.3152,
0.3533


140.2244, 0.3147,
0.3475

 46.4510, 0.3154,
0.3561


175.1839, 0.3146,
0.3462

 32.6018, 0.3157,
0.3596


215.5187, 0.3144,
0.3450

 21.8216, 0.3160,
0.3641

261.6132, 0.3143,
0.3440

 13.7259, 0.3164,
0.3703

313.8517, 0.3143,
0.3431

 7.9303, 0.3169,
0.3790

372.6187, 0.3142,

 4.0504, 0.3175,

0.3423

0.3924

438.2985, 0.3141,
0.3416

■ 1.7018, 0.3179,
0.4155

■ 0.4248, 0.3030,
0.6970

■ 84.8935, 0.3150,
0.3510

■ 84.8935, 0.3150,
0.3510

■ 80.8883, 0.3175,
0.3791

■ 89.4093, 0.3124,
0.3258

■ 77.3650, 0.3196,
0.4098

■ 91.9745, 0.3133,
0.3165

■ 74.3082, 0.3211,
0.4425

■ 71.6977, 0.3219,
0.4761

■ 69.5118, 0.3216,
0.5088

■ 67.7268, 0.3201,
0.5387

■ 66.3164, 0.3174,
0.5634

■ 65.2510, 0.3136,
0.5813

■ 64.4924, 0.3092,
0.5920

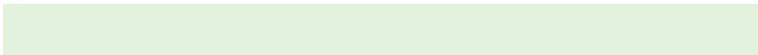
Harmonies

Analogous

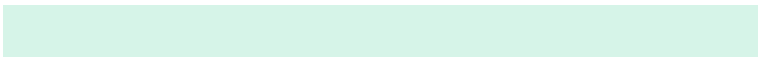
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.8935, 0.3284, 0.3536



84.8935, 0.3150, 0.3510



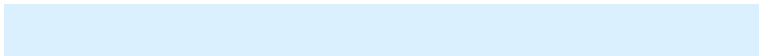
84.8935, 0.3012, 0.3421

Triad

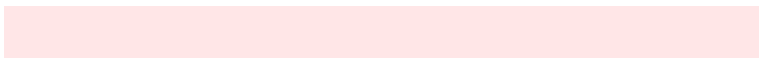
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



84.8935, 0.3150, 0.3510



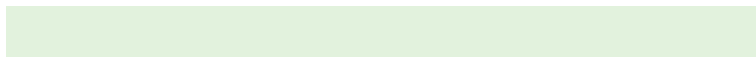
84.8935, 0.2882, 0.3084



84.8935, 0.3353, 0.3278

Complementary

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



84.8935, 0.3150, 0.3510



76.1164, 0.3102, 0.3075

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.



84.8935, 0.3240, 0.3164



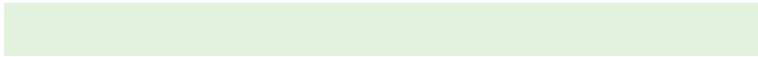
84.8935, 0.3150, 0.3510



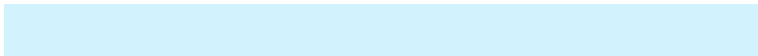
84.8935, 0.2969, 0.3053

Square

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



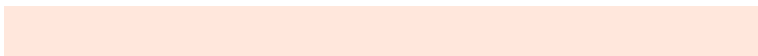
84.8935, 0.3150, 0.3510



84.8935, 0.2859, 0.3172



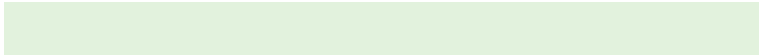
84.8935, 0.3099, 0.3082



84.8935, 0.3403, 0.3398

Rectangle

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



84.8935, 0.3150, 0.3510



84.8935, 0.2936, 0.3339



84.8935, 0.3099, 0.3082



84.8935, 0.3321, 0.3238

Sweetspot

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



84.8971, 0.3150, 0.3510



98.4335, 0.3135, 0.3364



84.5130, 0.3261, 0.3451



20.9811, 0.3137, 0.3384



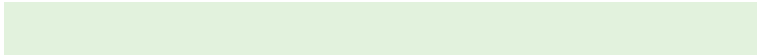
0.0000, 0.0000, 0.0000



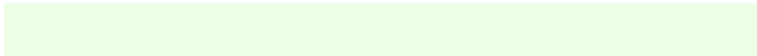
21.4041, 0.3127, 0.3290

Same Dimension

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



84.8971, 0.3150, 0.3510



94.9809, 0.3153, 0.3547



84.3728, 0.3085, 0.3456



17.8409, 0.3152, 0.3532



34.6594, 0.3096, 0.5924



2.9280, 0.3185, 0.5853

Inverse Universe

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



76.1164, 0.3102, 0.3075



83.6449, 0.3097, 0.3040



76.6909, 0.3172, 0.3130



15.8277, 0.3099, 0.3055



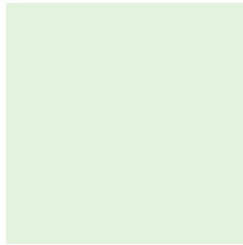
8.9503, 0.2604, 0.1208



0.7901, 0.2687, 0.1254

Previews

White Background



This preview shows how the Yxy color 84.8935, 0.3150, 0.3510 looks on a white background.

Color Contrast Check

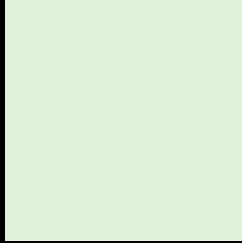
Large Text (above 18pt) WCAG AA × Fail

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 84.8935, 0.3150, 0.3510 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

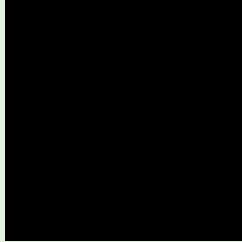
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

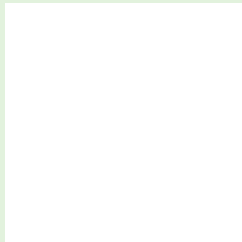
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 84.8935, 0.3150, 0.3510

Background



This preview shows how black text looks on a background with the Yxy color 84.8935, 0.3150, 0.3510.

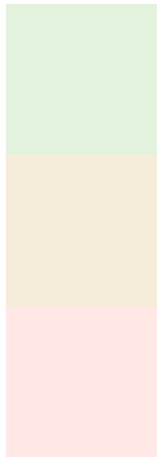


This preview shows how white text looks on a background with the Yxy color 84.8935, 0.3150, 0.3510.

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

84.8935, 0.3150, 0.3510

Protanopia

84.6457, 0.3309, 0.3473

Deuteranopia

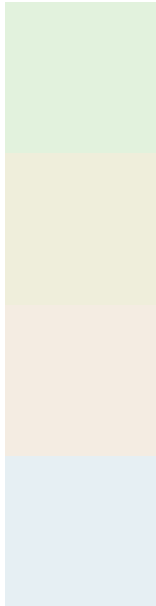
84.6304, 0.3305, 0.3320



Tritanopia

84.9442, 0.2987, 0.3109

Trichromacy



Original Color

84.8935, 0.3150, 0.3510

Protanomaly

84.6143, 0.3252, 0.3486

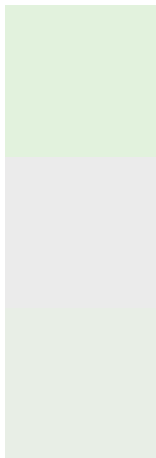
Deuteranomaly

84.7150, 0.3244, 0.3392

Tritanomaly

85.0271, 0.3044, 0.3249

Monochromacy



Original Color

84.8935, 0.3150, 0.3510

Achromatopsia

83.0770, 0.3127, 0.3290

Achromatomaly

84.0180, 0.3137, 0.3373

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.8935, 0.3150, 0.3510 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, 242, 221)` looks like.

```
.text, #text, p{  
    color:rgb(226, 242, 221)  
}
```

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, 242, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 242, 221) }
```

Border

The CSS property to change the border of an element to Yxy 84.8935, 0.3150, 0.3510 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, 242, 221) }
```

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

```
.border{ border-color:rgb(226, 242, 221) }
```

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

Here you see how a box with a 4 pixel rgb(226, 242, 221) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 242, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 242, 221);  
box-shadow:4px 4px 4px 4px rgb(226, 242,  
221) }
```


Background

The CSS property to change the background color of an element to Yxy 84.8935, 0.3150, 0.3510 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 242, 221) }
```

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

```
.background{ background-color: rgb(226,  
242, 221) }
```

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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