

Converting Colors

$Yxy(84.8577, 0.3158, 0.3439)$

Have a look what the booklet for
Yxy(84.8577, 0.3158, 0.3439)
contains.

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Color

Yxy(84.8001, 0.3153, 0.3435)

Conversions

Conversions Part 1

Format	Color
Hex	E7F0E2
RGB	231, 240, 226
RGB Percent	91%, 94%, 89%
CMY	0.0942, 0.0588, 0.1136
CMYK	0.04, 0.00, 0.06, 0.06
HSL	99°, 32%, 91%
HSV	99°, 6%, 94%
XYZ	77.8383, 84.8001, 84.2323
YIQ	235.7130, -0.8700, -6.2620

Conversions

Conversions Part 2

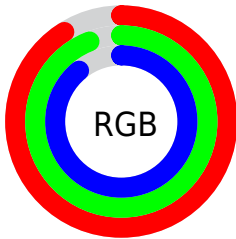
Format	Color
R _Y B	226, 240, 235
Decimal	15200482
CIE Lab	93.80, -5.47, 5.71
CIE LCh	94, 7.903, 133.779
Yxy	84.8001, 0.3153, 0.3435
Android (android.graphics.Color)	4293390562 (0xFFE7F0E2)
YUV	235.7130, -4.7885, -4.1333
Hunter-Lab	92.0870, -10.2715, 10.2281

Details

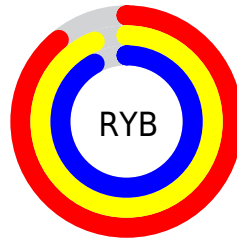
The Yxy color **84.8001, 0.3153, 0.3435** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **78.3696, 0.3100, 0.3146**, and the grayscale version is **83.6880, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **46.3352, 0.3153, 0.3464** is the 20% darker color. If you saturate the color by 10%, you get **81.1102, 0.3196, 0.3704**, and if you desaturate by 10%, it is **88.9103, 0.3109, 0.3192**.

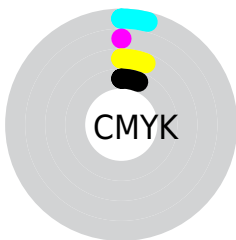
Distribution



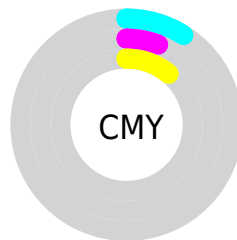
- Red (91%)
- Green (94%)
- Blue (89%)



- Red (89%)
- Yellow (94%)
- Blue (92%)



- Cyan (4%)
- Magenta (0%)
- Yellow (6%)
- Black (6%)



- Cyan (9%)
- Magenta (6%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 84.8001, 0.3153, 0.3435 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 84.8001, 0.3153, 0.3435 by changing the saturation by 10% instead.

84.8001, 0.3153,
0.3435

84.8001, 0.3153,
0.3435

510.9664, 0.3142,
0.3369

63.6762, 0.3155,
0.3450

140.0939, 0.3149,
0.3412

46.3885, 0.3158,
0.3468

175.0325, 0.3148,
0.3404

32.5525, 0.3162,
0.3491

215.3449, 0.3146,
0.3396

21.7838, 0.3167,
0.3520

261.4154, 0.3145,
0.3389

13.6982, 0.3173,
0.3560

313.6284, 0.3144,
0.3383

7.9110, 0.3181,
0.3616

372.3683, 0.3143,

4.0381, 0.3192,

0.3378

438.0195, 0.3142,
0.3373

0.3702

■ 1.6949, 0.3210,
0.3848

■ 0.4203, 0.3570,
0.5641

■ 84.8001, 0.3153,
0.3435

■ 84.8001, 0.3153,
0.3435

■ 81.1102, 0.3196,
0.3704

■ 88.9103, 0.3109,
0.3192

■ 77.8162, 0.3237,
0.3998

■ 90.8069, 0.3134,
0.3146

■ 74.9074, 0.3272,
0.4309

■ 72.3686, 0.3298,
0.4630

■ 70.1834, 0.3312,
0.4947

■ 68.3343, 0.3310,
0.5241

■ 66.8017, 0.3291,
0.5493

■ 65.5637, 0.3254,
0.5688

■ 64.5944, 0.3203,
0.5817

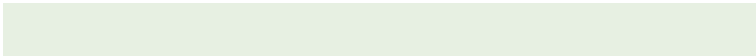
Harmonies

Analogous

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



84.8001, 0.3238, 0.3447



84.8001, 0.3153, 0.3435



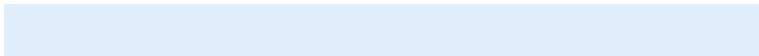
84.8001, 0.3063, 0.3382

Triad

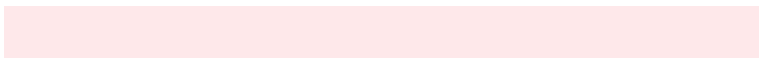
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



84.8001, 0.3153, 0.3435



84.8001, 0.2964, 0.3162



84.8001, 0.3266, 0.3274

Complementary

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



84.8001, 0.3153, 0.3435



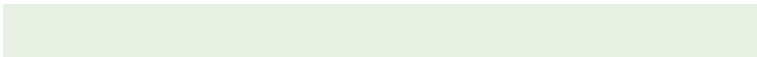
78.3696, 0.3100, 0.3146

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.



84.8001, 0.3191, 0.3201



84.8001, 0.3153, 0.3435



84.8001, 0.3017, 0.3136

Square

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



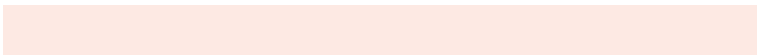
84.8001, 0.3153, 0.3435



84.8001, 0.2954, 0.3223



84.8001, 0.3099, 0.3151



84.8001, 0.3304, 0.3353

Rectangle

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



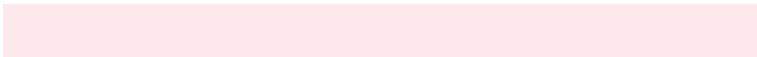
84.8001, 0.3153, 0.3435



84.8001, 0.3011, 0.3332



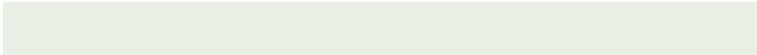
84.8001, 0.3099, 0.3151



84.8001, 0.3244, 0.3248

Sweetspot

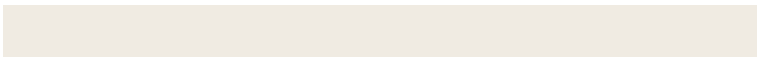
The Sweet Spot groups the original color and five complimentary colors.



84.8038, 0.3153, 0.3435



99.0563, 0.3136, 0.3339



83.3688, 0.3218, 0.3381



21.2120, 0.3136, 0.3336



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

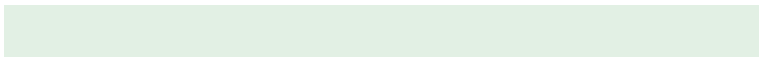
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.8038, 0.3153, 0.3435



96.7812, 0.3158, 0.3466



84.0946, 0.3109, 0.3417



18.0827, 0.3161, 0.3480



35.2383, 0.3192, 0.5847



2.9853, 0.3293, 0.5767

Inverse Universe

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



78.3696, 0.3100, 0.3146



87.9566, 0.3094, 0.3116



79.1141, 0.3146, 0.3167



16.3053, 0.3091, 0.3102



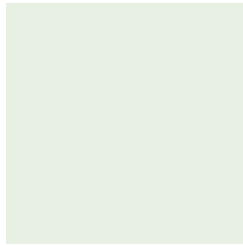
7.3387, 0.2336, 0.1061



0.6660, 0.2451, 0.1124

Previews

White Background



This preview shows how the Yxy color 84.8001, 0.3153, 0.3435 looks on a white background.

Color Contrast Check

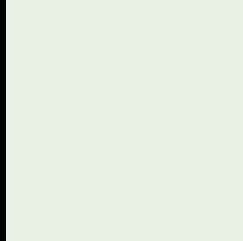
Large Text (above 18pt) WCAG AA × Fail

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 84.8001, 0.3153, 0.3435 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

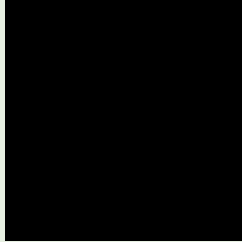
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

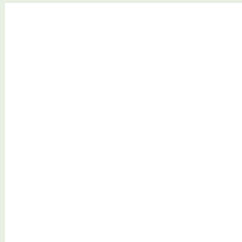
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 84.8001, 0.3153, 0.3435

Background



This preview shows how black text looks on a background with the Yxy color 84.8001, 0.3153, 0.3435.

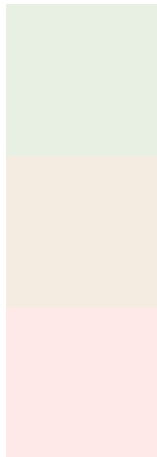


This preview shows how white text looks on a background with the Yxy color 84.8001, 0.3153, 0.3435.

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

84.8001, 0.3153, 0.3435

Protanopia

84.6058, 0.3257, 0.3412

Deuteranopia

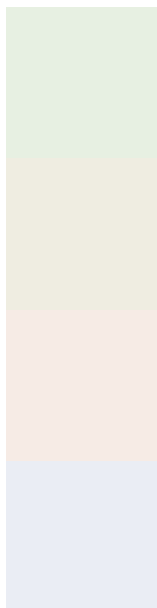
84.7427, 0.3292, 0.3300



Tritanopia

84.8088, 0.3012, 0.3109

Trichromacy



Original Color

84.8001, 0.3153, 0.3435

Protanomaly

84.3553, 0.3215, 0.3413

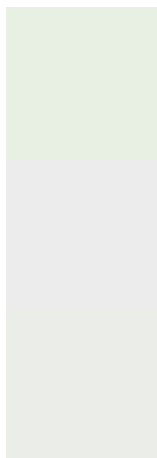
Deuteranomaly

84.6666, 0.3240, 0.3351

Tritanomaly

84.5925, 0.3065, 0.3219

Monochromacy



Original Color

84.8001, 0.3153, 0.3435

Achromatopsia

83.8799, 0.3127, 0.3290

Achromatomaly

83.8870, 0.3138, 0.3341

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.8001, 0.3153, 0.3435 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(231, 240, 226)` looks like.

```
.text, #text, p{  
    color:rgb(231, 240, 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(231, 240, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 240, 226) }
```

Border

The CSS property to change the border of an element to Yxy 84.8001, 0.3153, 0.3435 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(231, 240, 226) }
```

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

```
.border{ border-color:rgb(231, 240, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 240, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 240, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 240, 226);  
box-shadow:4px 4px 4px 4px rgb(231, 240,  
226) }
```


Background

The CSS property to change the background color of an element to Yxy 84.8001, 0.3153, 0.3435 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 240, 226) }
```

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

```
.background{ background-color: rgb(231,  
240, 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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