

Converting Colors

$Yxy(85.9540, 0.3154, 0.3451)$

Have a look what the booklet for
Yxy(85.9540, 0.3154, 0.3451)
contains.

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Color

Yxy(85.9842, 0.3152, 0.3455)

Conversions

Conversions Part 1

Format	Color
Hex	E7F2E2
RGB	231, 242, 226
RGB Percent	91%, 95%, 89%
CMY	0.0940, 0.0510, 0.1136
CMYK	0.05, 0.00, 0.07, 0.05
HSL	101°, 38%, 92%
HSV	101°, 7%, 95%
XYZ	78.4435, 85.9842, 84.4412
YIQ	236.8870, -1.4200, -7.3080

Conversions

Conversions Part 2

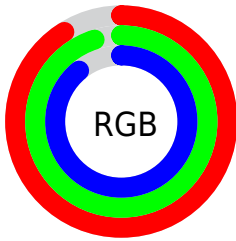
Format	Color
R_{YB}	226, 242, 237
Decimal	15200994
CIE _{Lab}	94.31, -6.45, 6.43
CIE _{LCh}	94, 9.110, 135.088
Yxy	85.9842, 0.3152, 0.3455
Android (android.graphics.Color)	4293391074 (0xFFE7F2E2)
YUV	236.8870, -5.3673, -5.1629
Hunter-Lab	92.7277, -11.2704, 10.9177

Details

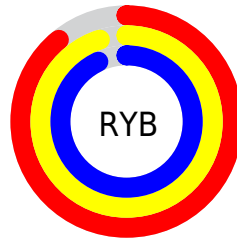
The Yxy color **85.9842, 0.3152, 0.3455** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **78.8323, 0.3101, 0.3127**, and the grayscale version is **84.6458, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **47.1720, 0.3151, 0.3490** is the 20% darker color. If you saturate the color by 10%, you get **82.1117, 0.3189, 0.3728**, and if you desaturate by 10%, it is **90.3151, 0.3114, 0.3209**.

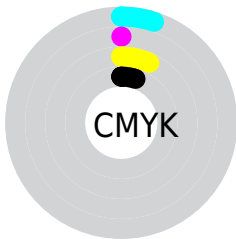
Distribution



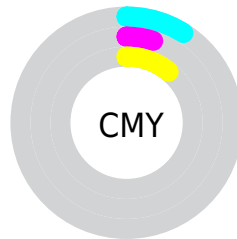
- Red (91%)
- Green (95%)
- Blue (89%)



- Red (89%)
- Yellow (95%)
- Blue (93%)



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




- Cyan (9%)
- Magenta (5%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 85.9842, 0.3152, 0.3455 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 85.9842, 0.3152, 0.3455 by changing the saturation by 10% instead.


 85.9842, 0.3152,
0.3455

 85.9842, 0.3152,
0.3455


514.8791, 0.3141,
0.3380

 64.6549, 0.3154,
0.3472


141.7474, 0.3148,
0.3429

 47.1813, 0.3157,
0.3492

176.9502, 0.3147,
0.3419

 33.1790, 0.3160,
0.3518


217.5462, 0.3146,
0.3411

 22.2636, 0.3165,
0.3552

263.9199, 0.3145,
0.3403

 14.0507, 0.3170,
0.3597

316.4556, 0.3144,
0.3396

 8.1560, 0.3177,
0.3660

375.5378, 0.3143,

 4.1949, 0.3187,

0.3390

0.3756

441.5508, 0.3142,
0.3385

■ 1.7832, 0.3201,
0.3921

■ 0.4767, 0.3512,
0.5664

■ 85.9842, 0.3152,
0.3455

■ 85.9842, 0.3152,
0.3455

■ 82.1117, 0.3189,
0.3728

■ 90.3151, 0.3114,
0.3209

■ 78.6713, 0.3222,
0.4025

■ 91.9823, 0.3133,
0.3165

■ 75.6507, 0.3250,
0.4342

■ 73.0329, 0.3269,
0.4669

■ 70.7996, 0.3276,
0.4990

■ 68.9310, 0.3269,
0.5288

■ 67.4052, 0.3246,
0.5541

■ 66.1976, 0.3208,
0.5733

■ 65.2789, 0.3159,
0.5856

Harmonies

Analogous

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



85.9842, 0.3250, 0.3471



85.9842, 0.3152, 0.3455



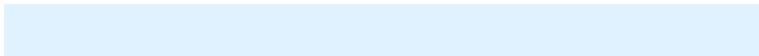
85.9842, 0.3049, 0.3392

Triad

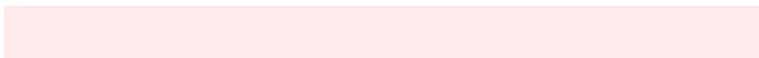
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



85.9842, 0.3152, 0.3455



85.9842, 0.2942, 0.3141



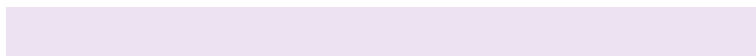
85.9842, 0.3289, 0.3276

Complementary

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



85.9842, 0.3152, 0.3455



78.8323, 0.3101, 0.3127

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.



85.9842, 0.3205, 0.3191



85.9842, 0.3152, 0.3455



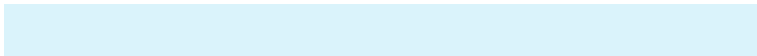
85.9842, 0.3004, 0.3114

Square

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



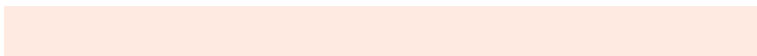
85.9842, 0.3152, 0.3455



85.9842, 0.2928, 0.3209



85.9842, 0.3100, 0.3132



85.9842, 0.3330, 0.3366

Rectangle

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



85.9842, 0.3152, 0.3455



85.9842, 0.2990, 0.3334



85.9842, 0.3100, 0.3132



85.9842, 0.3265, 0.3246

Sweetspot

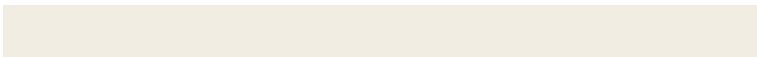
The Sweet Spot groups the original color and five complimentary colors.



85.9879, 0.3152, 0.3455



99.0166, 0.3135, 0.3339



84.9057, 0.3229, 0.3401



21.2039, 0.3134, 0.3336



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

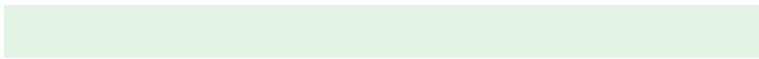
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.9879, 0.3152, 0.3455



96.1902, 0.3157, 0.3492



85.3327, 0.3102, 0.3426



17.8957, 0.3163, 0.3531



34.9940, 0.3152, 0.5879



2.9620, 0.3250, 0.5801

Inverse Universe

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



78.8323, 0.3101, 0.3127



86.4801, 0.3094, 0.3091



79.5274, 0.3154, 0.3158



15.7696, 0.3088, 0.3054



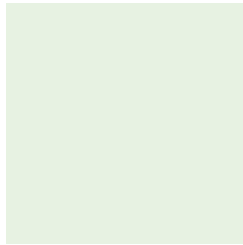
7.9016, 0.2434, 0.1114



0.7098, 0.2538, 0.1172

Previews

White Background



This preview shows how the Yxy color 85.9842, 0.3152, 0.3455 looks on a white background.

Color Contrast Check

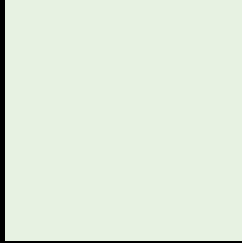
Large Text (above 18pt) WCAG AA × Fail

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 85.9842, 0.3152, 0.3455 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

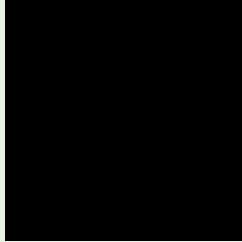
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

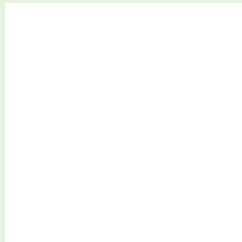
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 85.9842, 0.3152, 0.3455

Background



This preview shows how black text looks on a background with the Yxy color 85.9842, 0.3152, 0.3455.

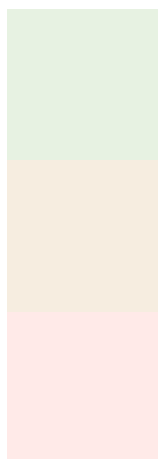


This preview shows how white text looks on a background with the Yxy color 85.9842, 0.3152, 0.3455.

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

85.9842, 0.3152, 0.3455

Protanopia

85.5430, 0.3270, 0.3422

Deuteranopia

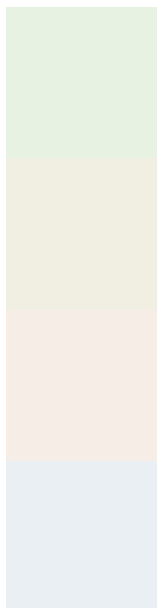
85.9318, 0.3283, 0.3310



Tritanopia

86.2019, 0.3012, 0.3120

Trichromacy



Original Color

85.9842, 0.3152, 0.3455

Protanomaly

85.8700, 0.3227, 0.3433

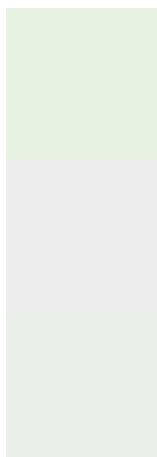
Deuteranomaly

85.8744, 0.3231, 0.3361

Tritanomaly

85.7571, 0.3064, 0.3239

Monochromacy



Original Color

85.9842, 0.3152, 0.3455

Achromatopsia

84.6873, 0.3127, 0.3290

Achromatomaly

85.2784, 0.3137, 0.3351

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.9842, 0.3152, 0.3455 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, 242, 226)` looks like.

```
.text, #text, p{  
    color:rgb(231, 242, 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, 242, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 242, 226) }
```

Border

The CSS property to change the border of an element to Yxy 85.9842, 0.3152, 0.3455 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, 242, 226) }
```

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

```
.border{ border-color:rgb(231, 242, 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, 242, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 242, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 242, 226);  
box-shadow:4px 4px 4px 4px rgb(231, 242,  
226) }
```


Background

The CSS property to change the background color of an element to Yxy 85.9842, 0.3152, 0.3455 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 242, 226) }
```

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

```
.background{ background-color: rgb(231,  
242, 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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