

Converting Colors

$Yxy(85.8317, 0.3064, 0.3394)$

Have a look what the booklet for
Yxy(85.8317, 0.3064, 0.3394)
contains.

Yxy(85.8317, 0.3064, 0.3394)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(85.8317, 0.3064, 0.3394)

Conversions

Conversions Part 1

Format	Color
Hex	E0F3E9
RGB	224, 243, 233
RGB Percent	88%, 95%, 91%
CMY	0.1218, 0.0470, 0.0863
CMYK	0.08, 0.00, 0.04, 0.05
HSL	148°, 44%, 92%
HSV	148°, 8%, 95%
XYZ	77.4862, 85.8317, 89.5745
YIQ	236.1790, -8.1140, -7.1380

Conversions

Conversions Part 2

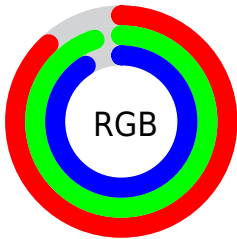
Format	Color
R_{YB}	224, 237, 243
Decimal	14742505
CIE _{Lab}	94.24, -8.09, 2.67
CIE _{LCh}	94, 8.515, 161.734
Yxy	85.8317, 0.3064, 0.3394
Android (android.graphics.Color)	4292932585 (0xFFE0F3E9)
YUV	236.1790, -1.5672, -10.6810
Hunter-Lab	92.6454, -12.8366, 7.5270

Details

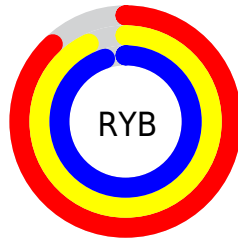
The Yxy color **85.8317, 0.3064, 0.3394** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **78.2789, 0.3195, 0.3188**, and the grayscale version is **84.0378, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **47.1500, 0.3055, 0.3424** is the 20% darker color. If you saturate the color by 10%, you get **81.5237, 0.2985, 0.3541**, and if you desaturate by 10%, it is **90.7546, 0.3145, 0.3263**.

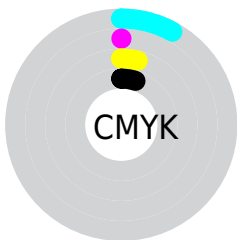
Distribution



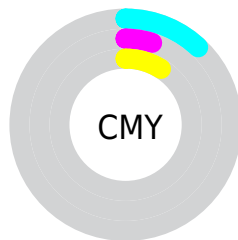
- Red (88%)
- Green (95%)
- Blue (91%)



- Red (88%)
- Yellow (93%)
- Blue (95%)



- Cyan (8%)
- Magenta (0%)
- Yellow (4%)
- Black (5%)





- Cyan (12%)
- Magenta (5%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 85.8317, 0.3064, 0.3394 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 85.8317, 0.3064, 0.3394 by changing the saturation by 10% instead.


 85.8317, 0.3064,
0.3394

 85.8317, 0.3064,
0.3394


514.3761, 0.3093,
0.3347

 64.5288, 0.3058,
0.3405

141.5346, 0.3074,
0.3378

 47.0791, 0.3050,
0.3417


176.7034, 0.3078,
0.3372

 33.0982, 0.3040,
0.3434


217.2630, 0.3081,
0.3366

 22.2017, 0.3027,
0.3455

263.5977, 0.3084,
0.3361

 14.0052, 0.3010,
0.3483

316.0920, 0.3086,
0.3357

 8.1243, 0.2987,
0.3522

375.1302, 0.3089,

 4.1746, 0.2950,

0.3353

441.0968, 0.3091,
0.3350

0.3582

1.7717, 0.2890,
0.3684

0.4694, 0.2386,
0.4502

85.8317, 0.3064,
0.3394

85.8317, 0.3064,
0.3394

81.5237, 0.2985,
0.3541


90.7546, 0.3145,
0.3263


77.7952, 0.2910,
0.3703

92.5934, 0.3133,
0.3175


74.6236, 0.2842,
0.3882


71.9806, 0.2785,
0.4073

 69.8352, 0.2740,
0.4275

 68.1534, 0.2713,
0.4483

 66.8962, 0.2705,
0.4691

 66.0183, 0.2718,
0.4893

 65.4583, 0.2748,
0.5082

Harmonies

Analogous

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



85.8317, 0.3161, 0.3448



85.8317, 0.3064, 0.3394



85.8317, 0.2984, 0.3311

Triad

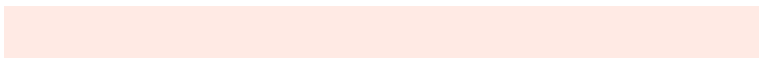
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



85.8317, 0.3064, 0.3394



85.8317, 0.3003, 0.3126



85.8317, 0.3315, 0.3352

Complementary

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



85.8317, 0.3064, 0.3394



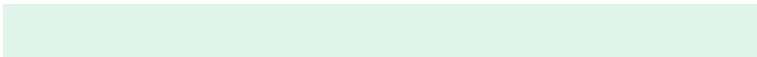
78.2789, 0.3195, 0.3188

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.



85.8317, 0.3272, 0.3267



85.8317, 0.3064, 0.3394



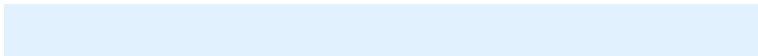
85.8317, 0.3091, 0.3138

Square

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



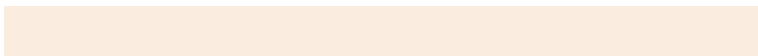
85.8317, 0.3064, 0.3394



85.8317, 0.2950, 0.3156



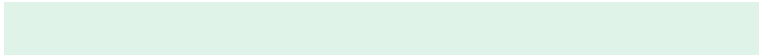
85.8317, 0.3189, 0.3190



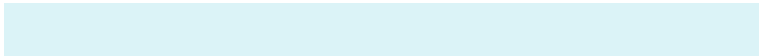
85.8317, 0.3308, 0.3422

Rectangle

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



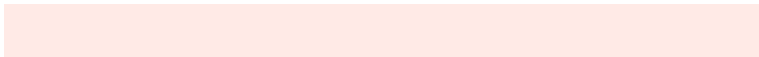
85.8317, 0.3064, 0.3394



85.8317, 0.2951, 0.3252



85.8317, 0.3189, 0.3190



85.8317, 0.3306, 0.3324

Sweetspot

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



85.8353, 0.3064, 0.3394



98.8742, 0.3111, 0.3316



87.0048, 0.3185, 0.3486



21.1749, 0.3112, 0.3314



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.



85.8353, 0.3064, 0.3394



95.1520, 0.3055, 0.3410



86.3860, 0.3009, 0.3296



18.6031, 0.3051, 0.3417



35.8920, 0.2748, 0.5092



3.1752, 0.2682, 0.4856

Inverse Universe

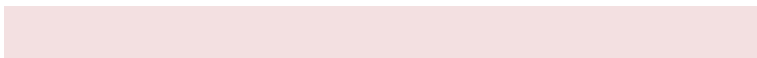
The Inverse Universe completely reimagines the original color for something new.



78.2789, 0.3195, 0.3188



85.5393, 0.3207, 0.3173



77.7539, 0.3258, 0.3284



16.6279, 0.3211, 0.3166



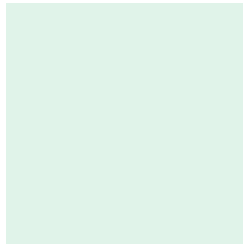
11.3353, 0.4854, 0.2447



1.0170, 0.4591, 0.2303

Previews

White Background



This preview shows how the Yxy color 85.8317, 0.3064, 0.3394 looks on a white background.

Color Contrast Check

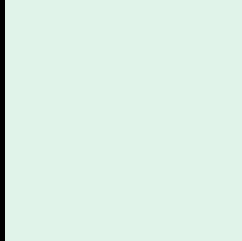
Large Text (above 18pt) WCAG AA × Fail

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 85.8317, 0.3064, 0.3394 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

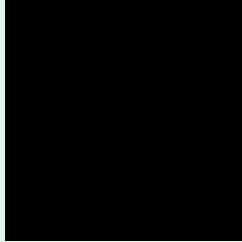
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

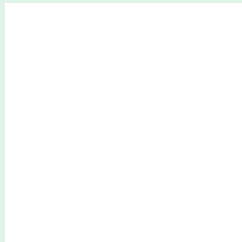
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 85.8317, 0.3064, 0.3394

Background



This preview shows how black text looks on a background with the Yxy color 85.8317, 0.3064, 0.3394.

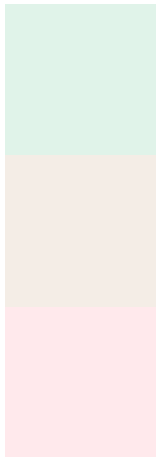


This preview shows how white text looks on a background with the Yxy color 85.8317, 0.3064, 0.3394.

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

85.8317, 0.3064, 0.3394

Protanopia

85.5146, 0.3218, 0.3361

Deuteranopia

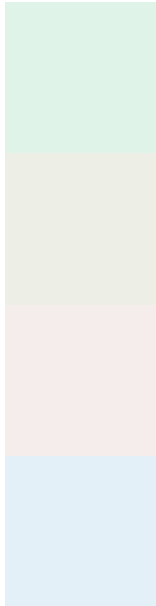
85.5940, 0.3258, 0.3261



Tritanopia

85.7760, 0.2974, 0.3128

Trichromacy



Original Color

85.8317, 0.3064, 0.3394

Protanomaly

85.5071, 0.3163, 0.3372

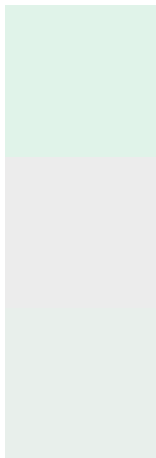
Deuteranomaly

85.7996, 0.3186, 0.3310

Tritanomaly

85.5296, 0.3008, 0.3218

Monochromacy



Original Color

85.8317, 0.3064, 0.3394

Achromatopsia

83.8799, 0.3127, 0.3290

Achromatomaly

84.8870, 0.3106, 0.3331

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.8317, 0.3064, 0.3394 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(224, 243, 233)` looks like.

```
.text, #text, p{  
    color:rgb(224, 243, 233)  
}
```

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(224, 243, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 243, 233) }
```

Border

The CSS property to change the border of an element to Yxy 85.8317, 0.3064, 0.3394 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(224, 243, 233) }
```

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

```
.border{ border-color:rgb(224, 243, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 243, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 243, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 243, 233);  
box-shadow:4px 4px 4px 4px rgb(224, 243,  
233) }
```


Background

The CSS property to change the background color of an element to Yxy 85.8317, 0.3064, 0.3394 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 243, 233) }
```

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

```
.background{ background-color: rgb(224,  
243, 233) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor