

Converting Colors

Yxy(85.2161, 0.3067, 0.3399)

Have a look what the booklet for
Yxy(85.2161, 0.3067, 0.3399)
contains.

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Color

Yxy(85.0184, 0.3064, 0.3394)

Conversions

Conversions Part 1

Format	Color
Hex	DFF2E8
RGB	223, 242, 232
RGB Percent	87%, 95%, 91%
CMY	0.1255, 0.0510, 0.0901
CMYK	0.08, 0.00, 0.04, 0.05
HSL	148°, 42%, 91%
HSV	148°, 8%, 95%
XYZ	76.7520, 85.0184, 88.7257
YIQ	235.1790, -8.1140, -7.1380

Conversions

Conversions Part 2

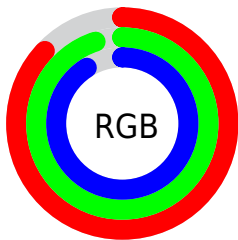
Format	Color
R_{YB}	223, 236, 242
Decimal	14676712
CIE Lab	93.89, -8.06, 2.66
CIE LCh	94, 8.488, 161.734
Yxy	85.0184, 0.3064, 0.3394
Android (android.graphics.Color)	4292866792 (0xFFDFF2E8)
YUV	235.1790, -1.5672, -10.6810
Hunter-Lab	92.2054, -12.7756, 7.4913

Details

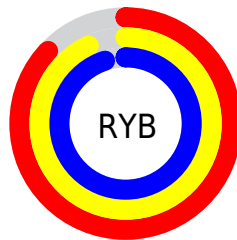
The Yxy color **85.0184, 0.3064, 0.3394** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **77.5371, 0.3195, 0.3188**, and the grayscale version is **83.2415, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **46.5772, 0.3055, 0.3425** is the 20% darker color. If you saturate the color by 10%, you get **80.7522, 0.2985, 0.3541**, and if you desaturate by 10%, it is **89.8935, 0.3144, 0.3263**.

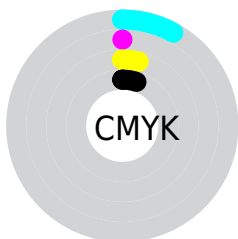
Distribution



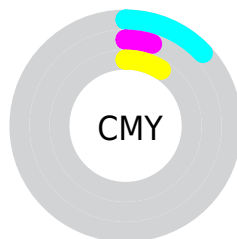
- Red (87%)
- Green (95%)
- Blue (91%)



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



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





- Cyan (13%)
- Magenta (5%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 85.0184, 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 85.0184, 0.3064, 0.3394 by changing the saturation by 10% instead.


 85.0184, 0.3064,
0.3394

 85.0184, 0.3064,
0.3394

511.6890, 0.3093,
0.3347

 63.8566, 0.3058,
0.3405


140.3989, 0.3074,
0.3378

 46.5345, 0.3050,
0.3418


175.3863, 0.3078,
0.3371

 32.6678, 0.3040,
0.3434


215.7511, 0.3081,
0.3366

 21.8721, 0.3027,
0.3455

261.8777, 0.3084,
0.3361

 13.7630, 0.3010,
0.3483

314.1503, 0.3087,
0.3357

 7.9560, 0.2986,
0.3523

372.9535, 0.3089,

 4.0668, 0.2949,

0.3353

0.3584

438.6716, 0.3091,
0.3350

■ 1.7110, 0.2887,
0.3688

■ 0.4308, 0.2295,
0.4650

■ 85.0184, 0.3064,
0.3394

■ 85.0184, 0.3064,
0.3394

■ 80.7522, 0.2985,
0.3541

■ 89.8935, 0.3144,
0.3263

■ 77.0597, 0.2910,
0.3703

■ 91.9859, 0.3133,
0.3165

■ 73.9185, 0.2842,
0.3881

■ 71.3007, 0.2785,
0.4073

■ 69.1757, 0.2740,
0.4275

■ 67.5096, 0.2713,
0.4483

■ 66.2640, 0.2705,
0.4691

■ 65.3940, 0.2717,
0.4892

■ 64.8388, 0.2748,
0.5081

Harmonies

Analogous

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



85.0184, 0.3161, 0.3448



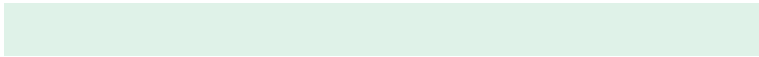
85.0184, 0.3064, 0.3394



85.0184, 0.2984, 0.3311

Triad

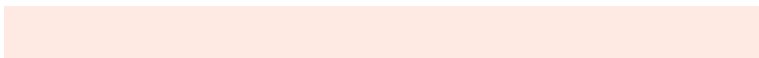
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



85.0184, 0.3064, 0.3394



85.0184, 0.3003, 0.3126



85.0184, 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.



85.0184, 0.3064, 0.3394



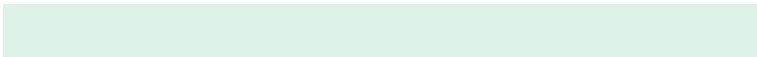
77.5371, 0.3195, 0.3188

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.



85.0184, 0.3272, 0.3267



85.0184, 0.3064, 0.3394



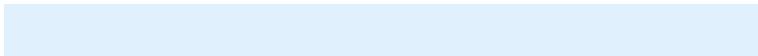
85.0184, 0.3091, 0.3138

Square

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



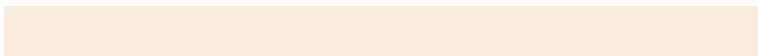
85.0184, 0.3064, 0.3394



85.0184, 0.2950, 0.3156



85.0184, 0.3189, 0.3190



85.0184, 0.3308, 0.3422

Rectangle

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



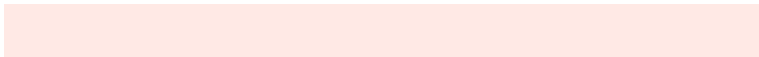
85.0184, 0.3064, 0.3394



85.0184, 0.2951, 0.3252



85.0184, 0.3189, 0.3190



85.0184, 0.3306, 0.3324

Sweetspot

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



85.0220, 0.3064, 0.3394



98.8742, 0.3111, 0.3316



86.1804, 0.3185, 0.3486



21.1749, 0.3112, 0.3314



0.0000, 0.0000, 0.0000



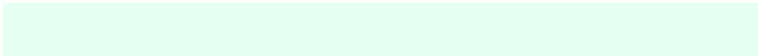
21.4041, 0.3127, 0.3290

Same Dimension

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



85.0220, 0.3064, 0.3394



95.1520, 0.3055, 0.3410



85.5674, 0.3009, 0.3296



17.7814, 0.3051, 0.3417



34.8060, 0.2747, 0.5091



2.9155, 0.2678, 0.4842

Inverse Universe

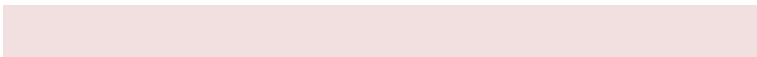
The Inverse Universe completely reimagines the original color for something new.



77.5371, 0.3195, 0.3188



85.5393, 0.3207, 0.3173



77.0171, 0.3258, 0.3284



15.8976, 0.3211, 0.3167



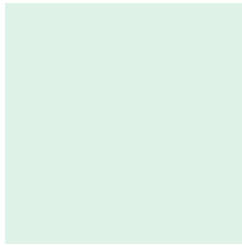
10.9934, 0.4852, 0.2446



0.9347, 0.4576, 0.2294

Previews

White Background



This preview shows how the Yxy color 85.0184, 0.3064, 0.3394 looks on a white background.

Color Contrast Check

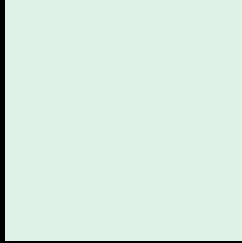
Large Text (above 18pt) WCAG AA × Fail

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 85.0184, 0.3064, 0.3394 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

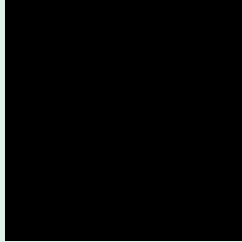
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

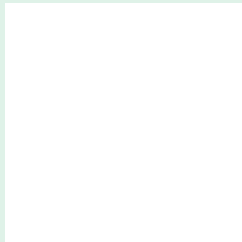
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 85.0184, 0.3064, 0.3394

Background



This preview shows how black text looks on a background with the Yxy color 85.0184, 0.3064, 0.3394.

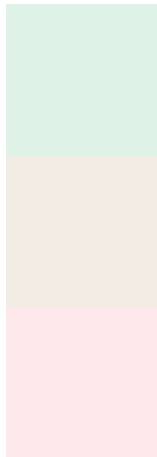


This preview shows how white text looks on a background with the Yxy color 85.0184, 0.3064, 0.3394.

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

85.0184, 0.3064, 0.3394

Protanopia

84.7027, 0.3218, 0.3361

Deuteranopia

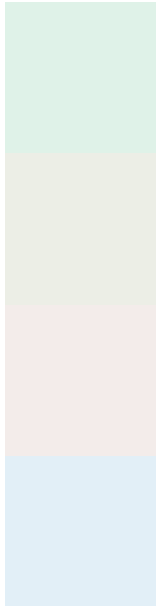
84.9714, 0.3266, 0.3261



Tritanopia

84.8631, 0.2962, 0.3117

Trichromacy



Original Color

85.0184, 0.3064, 0.3394

Protanomaly

84.6951, 0.3163, 0.3372

Deuteranomaly

84.9861, 0.3187, 0.3310

Tritanomaly

84.6172, 0.2995, 0.3208

Monochromacy



Original Color

85.0184, 0.3064, 0.3394

Achromatopsia

83.0770, 0.3127, 0.3290

Achromatomaly

84.0785, 0.3105, 0.3331

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.0184, 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(223, 242, 232)` looks like.

```
.text, #text, p{  
    color:rgb(223, 242, 232)  
}
```

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(223, 242, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 242, 232) }
```

Border

The CSS property to change the border of an element to Yxy 85.0184, 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(223, 242, 232) }
```

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

```
.border{ border-color:rgb(223, 242, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(223, 242, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 242, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 242, 232);  
box-shadow:4px 4px 4px 4px rgb(223, 242,  
232) }
```


Background

The CSS property to change the background color of an element to Yxy 85.0184, 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(223, 242, 232) }
```

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

```
.background{ background-color: rgb(223,  
242, 232) }
```

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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