

Converting Colors

Yxy(84.5416, 0.2979, 0.3362)

Have a look what the booklet for
Yxy(84.5416, 0.2979, 0.3362)
contains.

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Color

Yxy(84.4535, 0.2984, 0.3364)

Conversions

Conversions Part 1

Format	Color
Hex	D6F3EC
RGB	214, 243, 236
RGB Percent	84%, 95%, 93%
CMY	0.1609, 0.0470, 0.0746
CMYK	0.12, 0.00, 0.03, 0.05
HSL	165°, 55%, 90%
HSV	165°, 12%, 95%
XYZ	74.9136, 84.4535, 91.6838
YIQ	233.5310, -15.0370, -8.3250

Conversions

Conversions Part 2

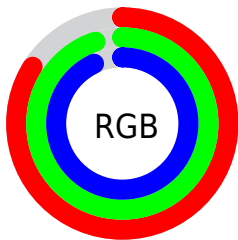
Format	Color
RYB	214, 230, 243
Decimal	14087148
CIELab	93.65, -10.76, 0.19
CIElCh	94, 10.758, 179.007
Yxy	84.4535, 0.2984, 0.3364
Android (android.graphics.Color)	4292277228 (0xFFD6F3EC)
YUV	233.5310, 1.2172, -17.1287
Hunter-Lab	91.8986, -15.3135, 5.1776

Details

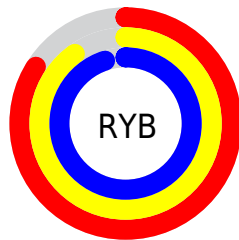
The Yxy color **84.4535, 0.2984, 0.3364** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **72.3616, 0.3293, 0.3217**, and the grayscale version is **81.9038, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **46.2069, 0.2953, 0.3385** is the 20% darker color. If you saturate the color by 10%, you get **80.7326, 0.2870, 0.3433**, and if you desaturate by 10%, it is **88.7383, 0.3103, 0.3301**.

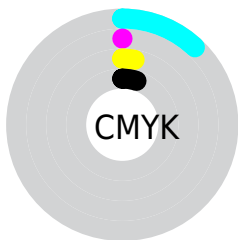
Distribution



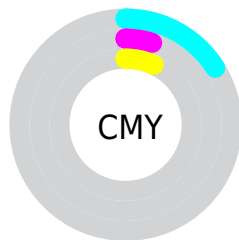
- Red (84%)
- Green (95%)
- Blue (93%)



- Red (84%)
- Yellow (90%)
- Blue (95%)



- Cyan (12%)
- Magenta (0%)
- Yellow (3%)
- Black (5%)





- Cyan (16%)
- Magenta (5%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 84.4535, 0.2984, 0.3364 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 84.4535, 0.2984, 0.3364 by changing the saturation by 10% instead.

 84.4535, 0.2984,
0.3364

 84.4535, 0.2984,
0.3364


509.8180, 0.3049,
0.3331

 63.3899, 0.2970,
0.3371


139.6094, 0.3006,
0.3353

 46.1567, 0.2952,
0.3380


174.4705, 0.3015,
0.3348

 32.3695, 0.2930,
0.3392


214.6995, 0.3022,
0.3344

 21.6439, 0.2902,
0.3406

260.6809, 0.3029,
0.3341

 13.5955, 0.2864,
0.3426

312.7991, 0.3035,
0.3338

 7.8399, 0.2812,
0.3453


371.4384, 0.3040,


 3.9926, 0.2733,


0.3335


0.3494

436.9832, 0.3044,
0.3333

 1.6694, 0.2601,
0.3562

 0.4038, 0.1273,
0.4243


 84.4535, 0.2984,
0.3364


 84.4535, 0.2984,
0.3364


 80.7326, 0.2870,
0.3433


 88.7383, 0.3103,
0.3301

 77.5407, 0.2765,
0.3508

 92.1324, 0.3176,
0.3244

 74.8554, 0.2672,
0.3588

 92.5039, 0.3141,
0.3188

 72.6485, 0.2593,
0.3673

 92.5898, 0.3133,
0.3175

■ 70.8890, 0.2532,
0.3761

■ 69.5422, 0.2489,
0.3852

■ 68.5682, 0.2467,
0.3943

■ 67.9188, 0.2465,
0.4034

■ 67.5720, 0.2474,
0.4107

Harmonies

Analogous

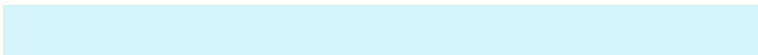
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.4535, 0.3098, 0.3458



84.4535, 0.2984, 0.3364



84.4535, 0.2909, 0.3251

Triad

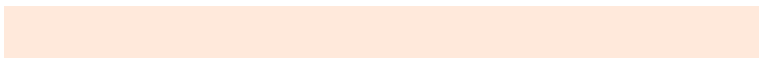
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



84.4535, 0.2984, 0.3364



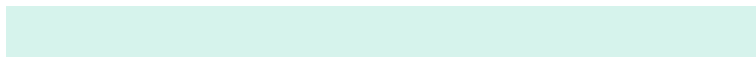
84.4535, 0.3030, 0.3085



84.4535, 0.3369, 0.3423

Complementary

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



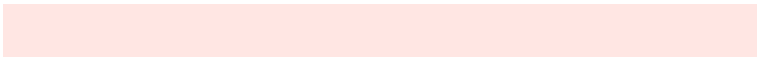
84.4535, 0.2984, 0.3364



72.3616, 0.3293, 0.3217

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.



84.4535, 0.3351, 0.3323



84.4535, 0.2984, 0.3364



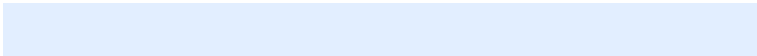
84.4535, 0.3153, 0.3130

Square

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



84.4535, 0.2984, 0.3364



84.4535, 0.2935, 0.3091



84.4535, 0.3271, 0.3217



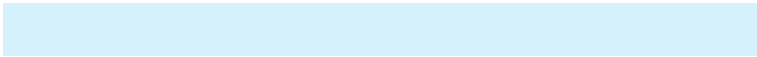
84.4535, 0.3322, 0.3490

Rectangle

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



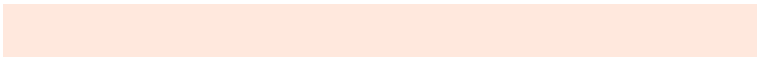
84.4535, 0.2984, 0.3364



84.4535, 0.2890, 0.3181



84.4535, 0.3271, 0.3217



84.4535, 0.3371, 0.3392

Sweetspot

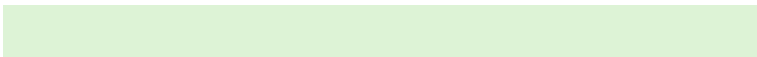
The Sweet Spot groups the original color and five complimentary colors.



84.4570, 0.2984, 0.3364



97.9581, 0.3078, 0.3314



84.3733, 0.3160, 0.3599



20.8873, 0.3069, 0.3318



0.0000, 0.0000, 0.0000



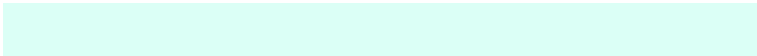
21.4041, 0.3127, 0.3290

Same Dimension

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



84.4570, 0.2984, 0.3364



93.3011, 0.2960, 0.3378



80.6152, 0.2942, 0.3213



18.6850, 0.3013, 0.3348



37.1033, 0.2470, 0.4092



3.2771, 0.2439, 0.3979

Inverse Universe

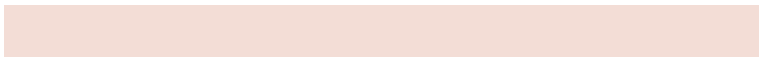
The Inverse Universe completely reimagines the original color for something new.



72.3616, 0.3293, 0.3217



77.6792, 0.3326, 0.3204



75.7498, 0.3334, 0.3366



16.5485, 0.3255, 0.3233



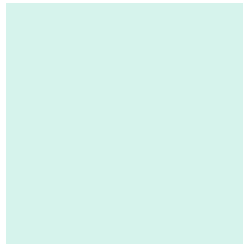
10.6487, 0.5954, 0.3054



0.9515, 0.5606, 0.2862

Previews

White Background



This preview shows how the Yxy color 84.4535, 0.2984, 0.3364 looks on a white background.

Color Contrast Check

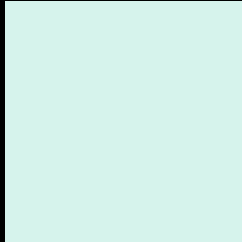
Large Text (above 18pt) WCAG AA × Fail

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 84.4535, 0.2984, 0.3364 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

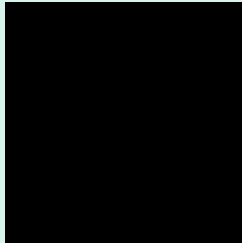
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

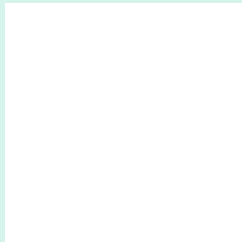
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 84.4535, 0.2984, 0.3364

Background



This preview shows how black text looks on a background with the Yxy color 84.4535, 0.2984, 0.3364.

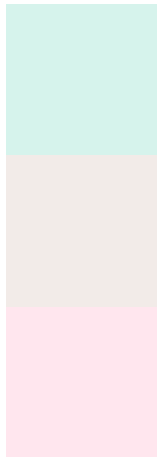


This preview shows how white text looks on a background with the Yxy color 84.4535, 0.2984, 0.3364.

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

84.4535, 0.2984, 0.3364

Protanopia

84.1201, 0.3193, 0.3321

Deuteranopia

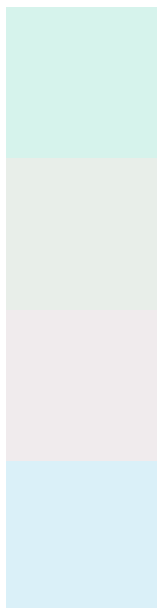
84.0267, 0.3248, 0.3212



Tritanopia

84.3252, 0.2918, 0.3126

Trichromacy



Original Color

84.4535, 0.2984, 0.3364

Protanomaly

84.1881, 0.3118, 0.3341

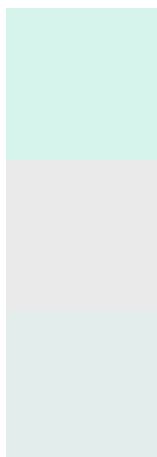
Deuteranomaly

84.0564, 0.3148, 0.3270

Tritanomaly

84.0029, 0.2940, 0.3206

Monochromacy



Original Color

84.4535, 0.2984, 0.3364

Achromatopsia

82.2786, 0.3127, 0.3290

Achromatomaly

82.8974, 0.3073, 0.3311

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.4535, 0.2984, 0.3364 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(214, 243, 236)` looks like.

```
.text, #text, p{  
    color:rgb(214, 243, 236)  
}
```

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(214, 243, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 243, 236) }
```

Border

The CSS property to change the border of an element to Yxy 84.4535, 0.2984, 0.3364 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(214, 243, 236) }
```

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

```
.border{ border-color:rgb(214, 243, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 243, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 243, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 243, 236);  
box-shadow:4px 4px 4px 4px rgb(214, 243,  
236) }
```


Background

The CSS property to change the background color of an element to Yxy 84.4535, 0.2984, 0.3364 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 243, 236) }
```

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

```
.background{ background-color: rgb(214,  
243, 236) }
```

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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