

Converting Colors

Yxy(85.2944, 0.3007, 0.3414)

Have a look what the booklet for
Yxy(85.2944, 0.3007, 0.3414)
contains.

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Color

Yxy(85.6351, 0.3007, 0.3416)

Conversions

Conversions Part 1

Format	Color
Hex	D7F5E9
RGB	215, 245, 233
RGB Percent	84%, 96%, 91%
CMY	0.1570, 0.0392, 0.0861
CMYK	0.12, 0.00, 0.05, 0.04
HSL	156°, 60%, 90%
HSV	156°, 12%, 96%
XYZ	75.3820, 85.6351, 89.6712
YIQ	234.6620, -14.0280, -10.0920

Conversions

Conversions Part 2

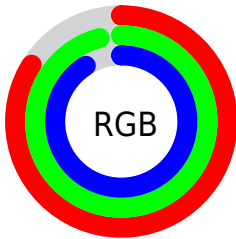
Format	Color
R _Y B	215, 234, 245
Decimal	14153193
CIE Lab	94.16, -11.99, 2.46
CIE LCh	94, 12.239, 168.423
Yxy	85.6351, 0.3007, 0.3416
Android (android.graphics.Color)	4292343273 (0xFFD7F5E9)
YUV	234.6620, -0.8194, -17.2436
Hunter-Lab	92.5392, -16.5385, 7.3250

Details

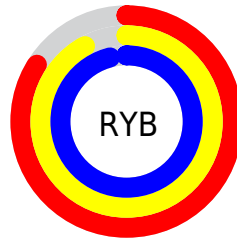
The Yxy color **85.6351, 0.3007, 0.3416** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **73.5441, 0.3265, 0.3167**, and the grayscale version is **82.8219, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **47.0431, 0.2983, 0.3454** is the 20% darker color. If you saturate the color by 10%, you get **81.6607, 0.2913, 0.3531**, and if you desaturate by 10%, it is **90.2030, 0.3105, 0.3312**.

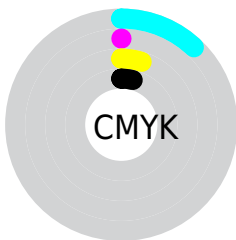
Distribution



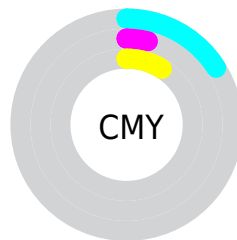
- Red (84%)
- Green (96%)
- Blue (91%)



- Red (84%)
- Yellow (92%)
- Blue (96%)



- Cyan (12%)
- Magenta (0%)
- Yellow (5%)
- Black (4%)



- Cyan (16%)
- Magenta (4%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 85.6351, 0.3007, 0.3416 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 85.6351, 0.3007, 0.3416 by changing the saturation by 10% instead.

85.6351, 0.3007,
0.3416

85.6351, 0.3007,
0.3416

513.7272, 0.3061,
0.3359

64.3663, 0.2995,
0.3429

141.2602, 0.3026,
0.3396

46.9474, 0.2980,
0.3444

176.3852, 0.3033,
0.3389

32.9941, 0.2962,
0.3464

216.8978, 0.3039,
0.3382

22.1219, 0.2938,
0.3490

263.1822, 0.3045,
0.3376

13.9465, 0.2906,
0.3524

315.6230, 0.3050,
0.3371

8.0835, 0.2861,
0.3572

374.6045, 0.3054,

4.1484, 0.2793,

0.3367

0.3645

440.5111, 0.3058,
0.3363

■ 1.7569, 0.2680,
0.3770

■ 0.4601, 0.1548,
0.4926

■ 85.6351, 0.3007,
0.3416

■ 85.6351, 0.3007,
0.3416

■ 81.6607, 0.2913,
0.3531

■ 90.2030, 0.3105,
0.3312


■ 78.2439, 0.2826,
0.3658


■ 93.6352, 0.3146,
0.3218


■ 75.3613, 0.2749,
0.3795


■ 93.7907, 0.3132,
0.3194

■ 72.9837, 0.2685,
0.3941

 71.0789, 0.2637,
0.4094

 69.6110, 0.2608,
0.4250

 68.5385, 0.2600,
0.4408

 67.8116, 0.2612,
0.4562

 67.4276, 0.2633,
0.4678

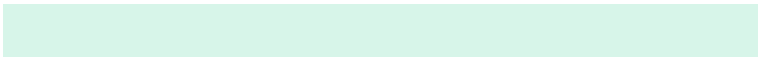
Harmonies

Analogous

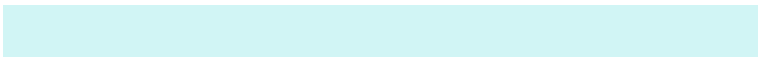
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.6351, 0.3144, 0.3507



85.6351, 0.3007, 0.3416



85.6351, 0.2904, 0.3290

Triad

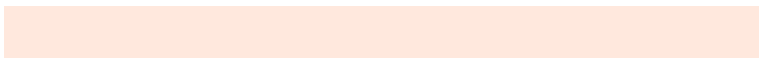
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



85.6351, 0.3007, 0.3416



85.6351, 0.2974, 0.3054



85.6351, 0.3403, 0.3403

Complementary

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



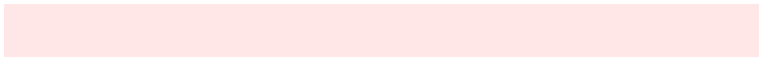
85.6351, 0.3007, 0.3416



73.5441, 0.3265, 0.3167

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.



85.6351, 0.3355, 0.3283



85.6351, 0.3007, 0.3416



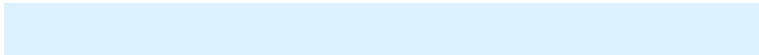
85.6351, 0.3105, 0.3085

Square

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



85.6351, 0.3007, 0.3416



85.6351, 0.2885, 0.3082



85.6351, 0.3246, 0.3169



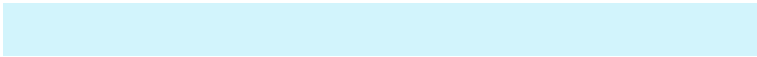
85.6351, 0.3374, 0.3496

Rectangle

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



85.6351, 0.3007, 0.3416



85.6351, 0.2866, 0.3206



85.6351, 0.3246, 0.3169



85.6351, 0.3395, 0.3364

Sweetspot

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



85.6387, 0.3007, 0.3416



97.8574, 0.3087, 0.3329



86.5444, 0.3190, 0.3605



20.8618, 0.3080, 0.3337



0.0000, 0.0000, 0.0000



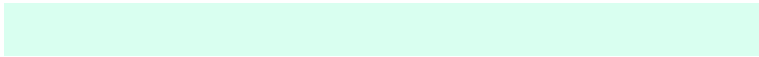
21.4041, 0.3127, 0.3290

Same Dimension

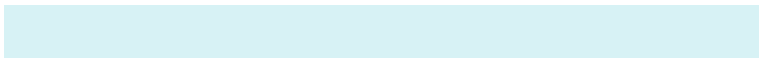
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.6387, 0.3007, 0.3416



92.5099, 0.2980, 0.3447



84.5438, 0.2939, 0.3258



18.6394, 0.3034, 0.3386



36.3494, 0.2626, 0.4654



3.2150, 0.2573, 0.4464

Inverse Universe

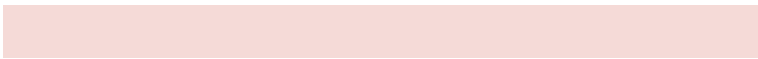
The Inverse Universe completely reimagines the original color for something new.



73.5441, 0.3265, 0.3167



76.5831, 0.3301, 0.3138



74.4494, 0.3346, 0.3322



16.5920, 0.3231, 0.3196



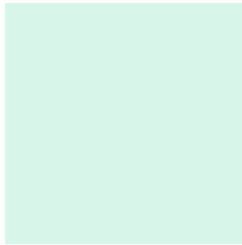
10.9552, 0.5385, 0.2740



0.9826, 0.5053, 0.2557

Previews

White Background



This preview shows how the Yxy color 85.6351, 0.3007, 0.3416 looks on a white background.

Color Contrast Check

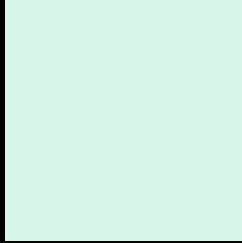
Large Text (above 18pt) WCAG AA × Fail

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 85.6351, 0.3007, 0.3416 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

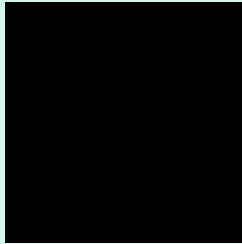
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

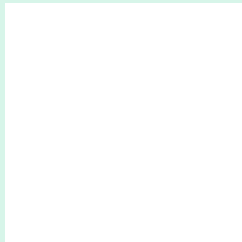
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 85.6351, 0.3007, 0.3416

Background



This preview shows how black text looks on a background with the Yxy color 85.6351, 0.3007, 0.3416.

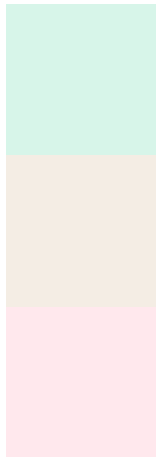


This preview shows how white text looks on a background with the Yxy color 85.6351, 0.3007, 0.3416.

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

85.6351, 0.3007, 0.3416

Protanopia

85.4029, 0.3230, 0.3381

Deuteranopia

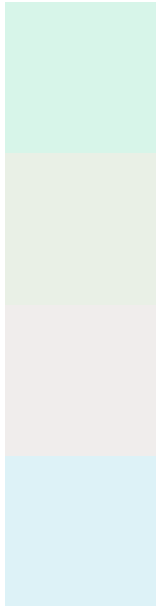
85.0877, 0.3252, 0.3241



Tritanopia

85.3875, 0.2937, 0.3137

Trichromacy



Original Color

85.6351, 0.3007, 0.3416

Protanomaly

85.3570, 0.3142, 0.3393

Deuteranomaly

85.1498, 0.3153, 0.3300

Tritanomaly

85.5918, 0.2964, 0.3238

Monochromacy



Original Color

85.6351, 0.3007, 0.3416

Achromatopsia

83.0770, 0.3127, 0.3290

Achromatomaly

84.1675, 0.3085, 0.3342

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.6351, 0.3007, 0.3416 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(215, 245, 233)` looks like.

```
.text, #text, p{  
    color:rgb(215, 245, 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(215, 245, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 245, 233) }
```

Border

The CSS property to change the border of an element to Yxy 85.6351, 0.3007, 0.3416 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(215, 245, 233) }
```

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

```
.border{ border-color:rgb(215, 245, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(215, 245, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 245, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 245, 233);  
box-shadow:4px 4px 4px 4px rgb(215, 245,  
233) }
```


Background

The CSS property to change the background color of an element to Yxy 85.6351, 0.3007, 0.3416 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 245, 233) }
```

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

```
.background{ background-color: rgb(215,  
245, 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](#).

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