

Converting Colors

$Yxy(85.4907, 0.2977, 0.3357)$

Have a look what the booklet for
Yxy(85.4907, 0.2977, 0.3357)
contains.

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Color

Yxy(85.3215, 0.2979, 0.3353)

Conversions

Conversions Part 1

Format	Color
Hex	D7F4EE
RGB	215, 244, 238
RGB Percent	84%, 96%, 93%
CMY	0.1568, 0.0431, 0.0668
CMYK	0.12, 0.00, 0.02, 0.04
HSL	168°, 57%, 90%
HSV	168°, 12%, 96%
XYZ	75.8046, 85.3215, 93.3371
YIQ	234.6450, -15.3580, -8.0140

Conversions

Conversions Part 2

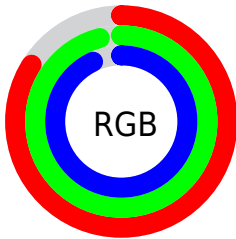
Format	Color
R _Y B	215, 231, 244
Decimal	14152942
CIE Lab	94.02, -10.55, -0.30
CIE LCh	94, 10.550, 181.611
Yxy	85.3215, 0.2979, 0.3353
Android (android.graphics.Color)	4292343022 (0xFFD7F4EE)
YUV	234.6450, 1.6540, -17.2287
Hunter-Lab	92.3696, -15.1581, 4.7478

Details

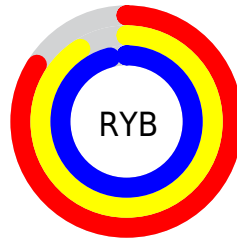
The Yxy color **85.3215, 0.2979, 0.3353** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **73.0610, 0.3299, 0.3228**, and the grayscale version is **82.7912, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **46.8174, 0.2947, 0.3371** is the 20% darker color. If you saturate the color by 10%, you get **81.6080, 0.2861, 0.3412**, and if you desaturate by 10%, it is **89.6015, 0.3103, 0.3300**.

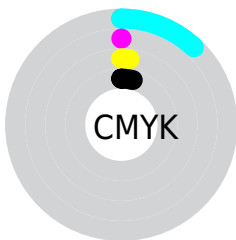
Distribution



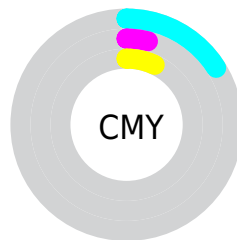
- Red (84%)
- Green (96%)
- Blue (93%)



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



- Cyan (12%)
- Magenta (0%)
- Yellow (2%)
- Black (4%)





- Cyan (16%)
- Magenta (4%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 85.3215, 0.2979, 0.3353 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 85.3215, 0.2979, 0.3353 by changing the saturation by 10% instead.

 85.3215, 0.2979,
0.3353

 85.3215, 0.2979,
0.3353


512.6913, 0.3046,
0.3325

 64.1071, 0.2964,
0.3359


140.8223, 0.3002,
0.3343

 46.7374, 0.2946,
0.3367


175.8774, 0.3011,
0.3340

 32.8281, 0.2924,
0.3376


216.3149, 0.3018,
0.3336

 21.9948, 0.2895,
0.3389

262.5191, 0.3025,
0.3333

 13.8531, 0.2856,
0.3405

314.8744, 0.3031,
0.3331

 8.0185, 0.2802,
0.3427

373.7653, 0.3037,

 4.1068, 0.2722,

0.3329

0.3461

439.5762, 0.3041,
0.3327

1.7335, 0.2590,
0.3516

0.4452, 0.1484,
0.3988

85.3215, 0.2979,
0.3353

85.3215, 0.2979,
0.3353

81.6080, 0.2861,
0.3412

89.6015, 0.3103,
0.3300

78.4258, 0.2752,
0.3476


92.7513, 0.3174,
0.3250

75.7524, 0.2655,
0.3544


93.0712, 0.3143,
0.3202

73.5593, 0.2573,
0.3616


93.1859, 0.3132,
0.3185

 71.8153, 0.2509,
0.3691

 70.4854, 0.2464,
0.3767

 69.5293, 0.2439,
0.3844

 68.8987, 0.2433,
0.3921

 68.5652, 0.2440,
0.3983

Harmonies

Analogous

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



85.3215, 0.3088, 0.3448



85.3215, 0.2979, 0.3353



85.3215, 0.2910, 0.3242

Triad

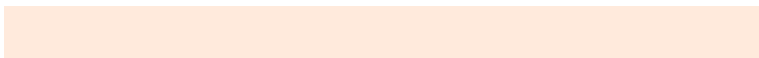
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



85.3215, 0.2979, 0.3353



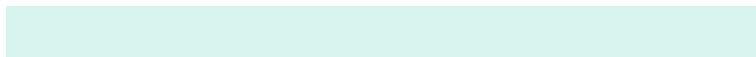
85.3215, 0.3042, 0.3091



85.3215, 0.3362, 0.3427

Complementary

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



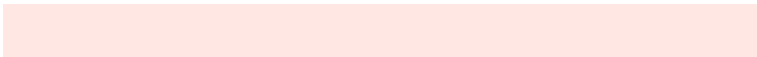
85.3215, 0.2979, 0.3353



73.0610, 0.3299, 0.3228

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.



85.3215, 0.3350, 0.3331



85.3215, 0.2979, 0.3353



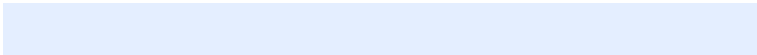
85.3215, 0.3163, 0.3140

Square

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



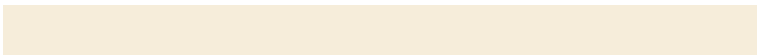
85.3215, 0.2979, 0.3353



85.3215, 0.2945, 0.3093



85.3215, 0.3276, 0.3227



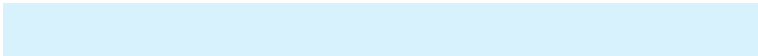
85.3215, 0.3310, 0.3489

Rectangle

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



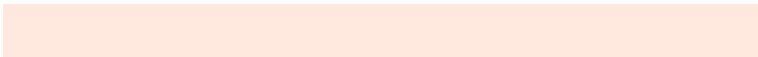
85.3215, 0.2979, 0.3353



85.3215, 0.2895, 0.3175



85.3215, 0.3276, 0.3227



85.3215, 0.3365, 0.3398

Sweetspot

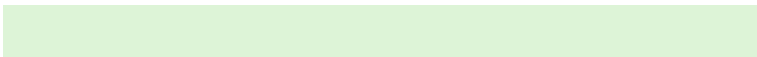
The Sweet Spot groups the original color and five complimentary colors.



85.3251, 0.2979, 0.3353



97.9805, 0.3076, 0.3310



85.0301, 0.3153, 0.3598



20.8930, 0.3067, 0.3314



0.0000, 0.0000, 0.0000



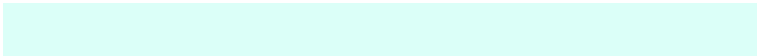
21.4041, 0.3127, 0.3290

Same Dimension

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



85.3251, 0.2979, 0.3353



93.3771, 0.2953, 0.3365



80.8503, 0.2943, 0.3203



18.6952, 0.3008, 0.3340



37.2999, 0.2436, 0.3970



3.2928, 0.2410, 0.3875

Inverse Universe

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



73.0610, 0.3299, 0.3228



77.6110, 0.3335, 0.3216



77.0355, 0.3331, 0.3376



16.5390, 0.3261, 0.3241



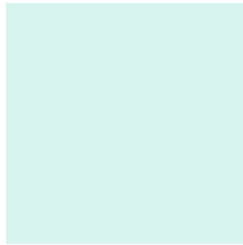
10.6028, 0.6054, 0.3109



0.9462, 0.5718, 0.2923

Previews

White Background



This preview shows how the Yxy color 85.3215, 0.2979, 0.3353 looks on a white background.

Color Contrast Check

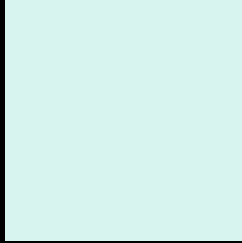
Large Text (above 18pt) WCAG AA × Fail

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 85.3215, 0.2979, 0.3353 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

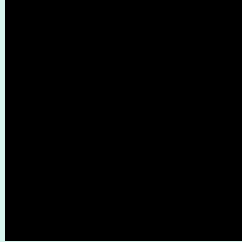
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

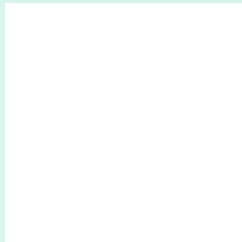
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 85.3215, 0.2979, 0.3353

Background



This preview shows how black text looks on a background with the Yxy color 85.3215, 0.2979, 0.3353.

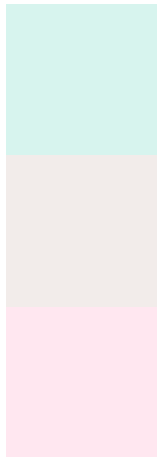


This preview shows how white text looks on a background with the Yxy color 85.3215, 0.2979, 0.3353.

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

85.3215, 0.2979, 0.3353

Protanopia

84.8087, 0.3180, 0.3310

Deuteranopia

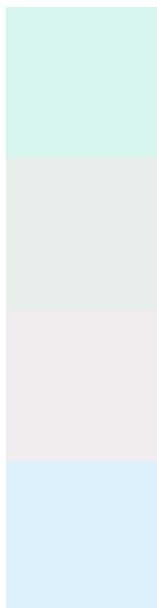
84.7031, 0.3234, 0.3202



Tritanopia

85.2282, 0.2931, 0.3136

Trichromacy



Original Color

85.3215, 0.2979, 0.3353

Protanomaly

84.8870, 0.3106, 0.3331

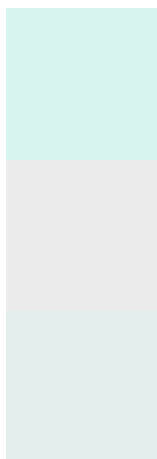
Deuteranomaly

84.7482, 0.3135, 0.3260

Tritanomaly

84.9658, 0.2947, 0.3207

Monochromacy



Original Color

85.3215, 0.2979, 0.3353

Achromatopsia

83.0770, 0.3127, 0.3290

Achromatomaly

83.6992, 0.3074, 0.3311

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.3215, 0.2979, 0.3353 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, 244, 238)` looks like.

```
.text, #text, p{  
    color:rgb(215, 244, 238)  
}
```

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, 244, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 244, 238) }
```

Border

The CSS property to change the border of an element to Yxy 85.3215, 0.2979, 0.3353 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, 244, 238) }
```

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

```
.border{ border-color:rgb(215, 244, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(215, 244, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 244, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 244, 238);  
box-shadow:4px 4px 4px 4px rgb(215, 244,  
238) }
```


Background

The CSS property to change the background color of an element to Yxy 85.3215, 0.2979, 0.3353 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 244, 238) }
```

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

```
.background{ background-color: rgb(215,  
244, 238) }
```

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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