

Converting Colors

$Yxy(85.3597, 0.2907, 0.3237)$

Have a look what the booklet for
Yxy(85.3597, 0.2907, 0.3237)
contains.

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Color

Yxy(85.6871, 0.2905, 0.3237)

Conversions

Conversions Part 1

Format	Color
Hex	D5F4F9
RGB	213, 244, 249
RGB Percent	84%, 96%, 98%
CMY	0.1646, 0.0432, 0.0234
CMYK	0.14, 0.02, 0.00, 0.02
HSL	188°, 75%, 91%
HSV	188°, 14%, 98%
XYZ	76.8987, 85.6871, 102.1257
YIQ	235.3010, -20.0810, -5.0170

Conversions

Conversions Part 2

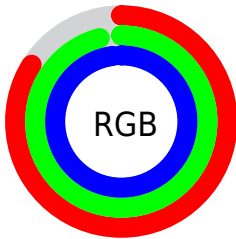
Format	Color
R _{YB}	213, 230, 249
Decimal	14021881
CIE Lab	94.18, -9.00, -5.81
CIE LCh	94, 10.715, 212.843
Yxy	85.6871, 0.2905, 0.3237
Android (android.graphics.Color)	4292211961 (0xFFD5F4F9)
YUV	235.3010, 6.7536, -19.5580
Hunter-Lab	92.5673, -13.7071, -0.6151

Details

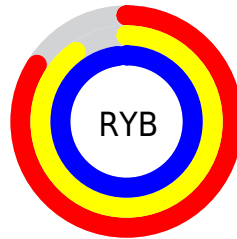
The Yxy color **85.6871, 0.2905, 0.3237** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **75.1213, 0.3389, 0.3342**, and the grayscale version is **83.2847, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **47.0858, 0.2854, 0.3222** is the 20% darker color. If you saturate the color by 10%, you get **80.1746, 0.2758, 0.3196**, and if you desaturate by 10%, it is **91.8179, 0.3058, 0.3274**.

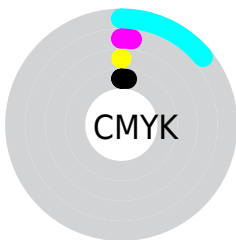
Distribution



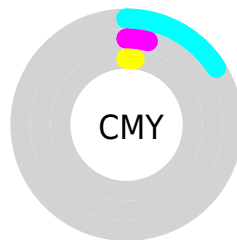
- Red (84%)
- Green (96%)
- Blue (98%)



- Red (84%)
- Yellow (90%)
- Blue (98%)



- Cyan (14%)
- Magenta (2%)
- Yellow (0%)
- Black (2%)



- Cyan (16%)
- Magenta (4%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 85.6871, 0.2905, 0.3237 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 85.6871, 0.2905, 0.3237 by changing the saturation by 10% instead.

85.6871, 0.2905,
0.3237

85.6871, 0.2905,
0.3237

513.8989, 0.3004,
0.3262

64.4093, 0.2883,
0.3231

141.3328, 0.2939,
0.3246

46.9822, 0.2857,
0.3224

176.4694, 0.2952,
0.3249

33.0216, 0.2823,
0.3215

216.9944, 0.2964,
0.3252

22.1430, 0.2781,
0.3204

263.2921, 0.2974,
0.3254

13.9620, 0.2725,
0.3188

315.7471, 0.2983,
0.3257

8.0942, 0.2648,
0.3165

374.7436, 0.2991,

4.1553, 0.2534,

0.3259

0.3129

440.6661, 0.2998,
0.3260

1.7608, 0.2349,
0.3065

0.4626, 0.1381,
0.2905

85.6871, 0.2905,
0.3237

85.6871, 0.2905,
0.3237

80.1746, 0.2758,
0.3196

91.8179, 0.3058,
0.3274

75.2437, 0.2621,
0.3153

97.0647, 0.3164,
0.3309

70.8695, 0.2496,
0.3107

99.2568, 0.3162,
0.3342

67.0215, 0.2386,
0.3059

99.6209, 0.3162,
0.3347

■ 63.6657, 0.2294,
0.3009

■ 60.7639, 0.2221,
0.2959

■ 58.2719, 0.2168,
0.2909

■ 56.1353, 0.2134,
0.2860

■ 55.0598, 0.2120,
0.2833

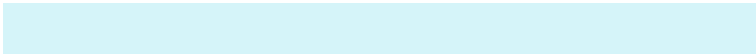
Harmonies

Analogous

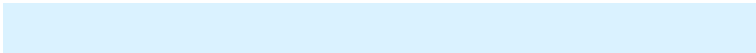
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.6871, 0.2973, 0.3349



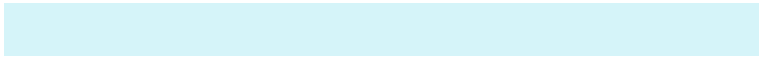
85.6871, 0.2905, 0.3237



85.6871, 0.2895, 0.3142

Triad

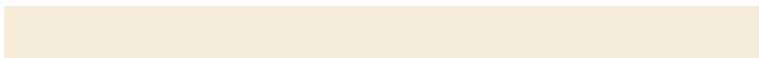
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



85.6871, 0.2905, 0.3237



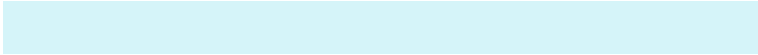
85.6871, 0.3169, 0.3141



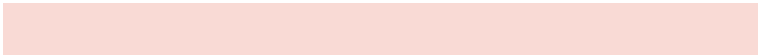
85.6871, 0.3310, 0.3494

Complementary

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



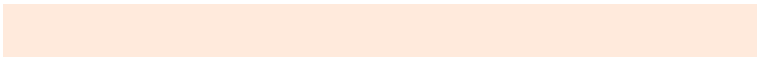
85.6871, 0.2905, 0.3237



75.1213, 0.3389, 0.3342

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.



85.6871, 0.3365, 0.3433



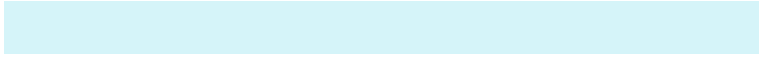
85.6871, 0.2905, 0.3237



85.6871, 0.3282, 0.3230

Square

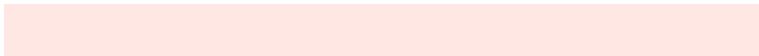
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



85.6871, 0.2905, 0.3237



85.6871, 0.3046, 0.3089



85.6871, 0.3355, 0.3336



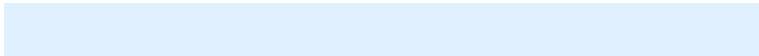
85.6871, 0.3206, 0.3500

Rectangle

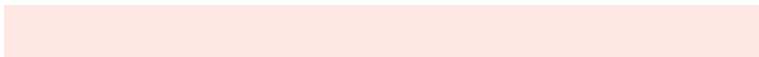
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



85.6871, 0.2905, 0.3237



85.6871, 0.2923, 0.3101



85.6871, 0.3355, 0.3336



85.6871, 0.3334, 0.3479

Sweetspot

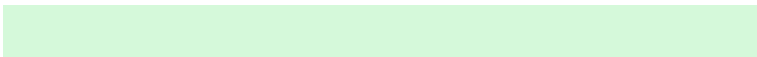
The Sweet Spot groups the original color and five complimentary colors.



85.6907, 0.2905, 0.3237



97.2111, 0.3065, 0.3276



86.9688, 0.3081, 0.3623



20.6975, 0.3053, 0.3273



0.0000, 0.0000, 0.0000



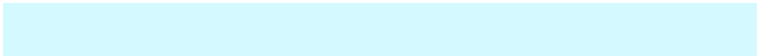
21.4041, 0.3127, 0.3290

Same Dimension

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



85.6907, 0.2905, 0.3237



88.8834, 0.2867, 0.3227



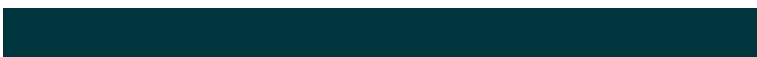
75.5079, 0.2898, 0.3048



19.1709, 0.2980, 0.3256



29.6251, 0.2123, 0.2841



2.8538, 0.2139, 0.2900

Inverse Universe

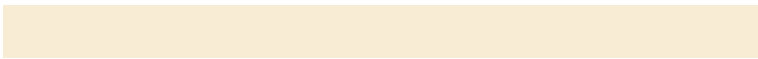
The Inverse Universe completely reimagines the original color for something new.



74.2788, 0.3178, 0.2980



75.0084, 0.3188, 0.2924



84.8397, 0.3363, 0.3521



17.4804, 0.3159, 0.3088



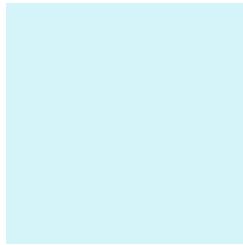
13.4016, 0.3597, 0.1755



1.2523, 0.3544, 0.1726

Previews

White Background



This preview shows how the Yxy color 85.6871, 0.2905, 0.3237 looks on a white background.

Color Contrast Check

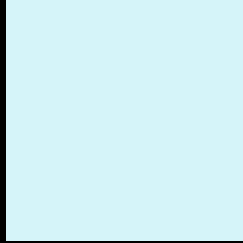
Large Text (above 18pt) WCAG AA × Fail

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 85.6871, 0.2905, 0.3237 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

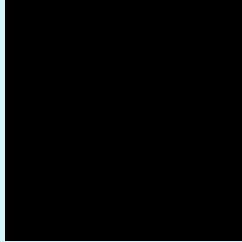
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 85.6871, 0.2905, 0.3237

Background



This preview shows how black text looks on a background with the Yxy color 85.6871, 0.2905, 0.3237.

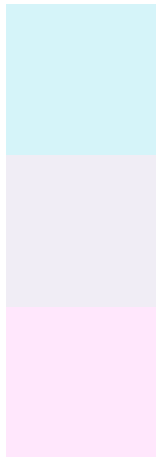


This preview shows how white text looks on a background with the Yxy color 85.6871, 0.2905, 0.3237.

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

85.6871, 0.2905, 0.3237

Protanopia

85.6862, 0.3098, 0.3210

Deuteranopia

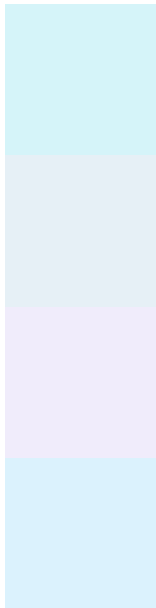
85.4401, 0.3157, 0.3087



Tritanopia

85.6602, 0.2925, 0.3147

Trichromacy



Original Color

85.6871, 0.2905, 0.3237

Protanomaly

85.7970, 0.3027, 0.3229

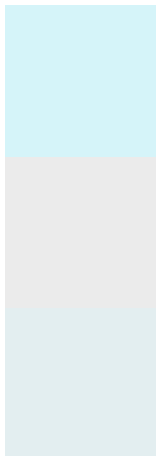
Deuteranomaly

85.4812, 0.3062, 0.3140

Tritanomaly

85.6562, 0.2918, 0.3176

Monochromacy



Original Color

85.6871, 0.2905, 0.3237

Achromatopsia

83.0770, 0.3127, 0.3290

Achromatomaly

83.7712, 0.3043, 0.3269

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.6871, 0.2905, 0.3237 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(213, 244, 249)` looks like.

```
.text, #text, p{  
    color:rgb(213, 244, 249)  
}
```

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(213, 244, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 244, 249) }
```

Border

The CSS property to change the border of an element to Yxy 85.6871, 0.2905, 0.3237 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(213, 244, 249) }
```

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

```
.border{ border-color:rgb(213, 244, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(213, 244, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(213, 244, 249); -webkit-box-shadow:4px 4px 4px 4px rgb(213, 244, 249); box-shadow:4px 4px 4px 4px rgb(213, 244, 249) }
```


Background

The CSS property to change the background color of an element to Yxy 85.6871, 0.2905, 0.3237 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 244, 249) }
```

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

```
.background{ background-color: rgb(213,  
244, 249) }
```

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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