

Converting Colors

Yxy(83.7352, 0.2903, 0.3169)

Have a look what the booklet for
Yxy(83.7352, 0.2903, 0.3169)
contains.

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Color

Yxy(83.7323, 0.2904, 0.3175)

Conversions

Conversions Part 1

Format	Color
Hex	D7F0FB
RGB	215, 240, 251
RGB Percent	84%, 94%, 98%
CMY	0.1571, 0.0587, 0.0156
CMYK	0.14, 0.04, 0.00, 0.02
HSL	198°, 82%, 91%
HSV	198°, 14%, 98%
XYZ	76.5854, 83.7323, 103.4061
YIQ	233.7790, -18.4310, -1.8790

Conversions

Conversions Part 2

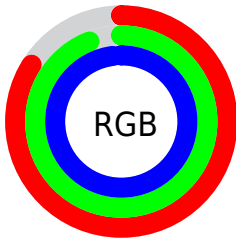
Format	Color
R _Y B	215, 230, 251
Decimal	14151931
CIE Lab	93.33, -6.00, -8.08
CIE LCh	93, 10.064, 233.423
Yxy	83.7323, 0.2904, 0.3175
Android (android.graphics.Color)	4292342011 (0xFFD7F0FB)
YUV	233.7790, 8.4900, -16.4692
Hunter-Lab	91.5054, -10.7388, -2.9472

Details

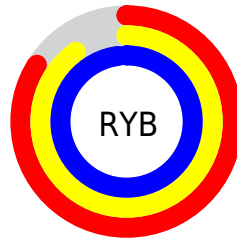
The Yxy color **83.7323, 0.2904, 0.3175** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **79.7749, 0.3379, 0.3402**, and the grayscale version is **82.0442, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.6947, 0.2852, 0.3142** is the 20% darker color. If you saturate the color by 10%, you get **75.8126, 0.2750, 0.3085**, and if you desaturate by 10%, it is **92.4319, 0.3059, 0.3257**.

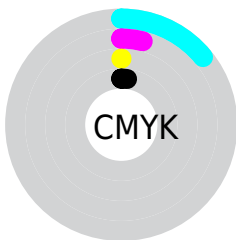
Distribution



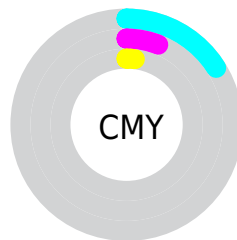
- Red (84%)
- Green (94%)
- Blue (98%)



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



- Cyan (14%)
- Magenta (4%)
- Yellow (0%)
- Black (2%)



- Cyan (16%)
- Magenta (6%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 83.7323, 0.2904, 0.3175 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 83.7323, 0.2904, 0.3175 by changing the saturation by 10% instead.

83.7323, 0.2904,
0.3175

83.7323, 0.2904,
0.3175

507.4239, 0.3004,
0.3228

62.7944, 0.2882,
0.3163

138.6006, 0.2938,
0.3193

45.6749, 0.2855,
0.3148

173.2999, 0.2952,
0.3200

31.9894, 0.2821,
0.3130

213.3551, 0.2963,
0.3206

21.3534, 0.2778,
0.3106

259.1506, 0.2973,
0.3212

13.3826, 0.2721,
0.3074

311.0709, 0.2982,
0.3216

7.6925, 0.2642,
0.3029

369.5002, 0.2990,

3.8988, 0.2524,

0.3221

0.2959

434.8231, 0.2998,
0.3224

■ 1.6171, 0.2334,
0.2841

■ 0.3691, 0.1327,
0.2396

■ 83.7323, 0.2904,
0.3175

■ 83.7323, 0.2904,
0.3175

■ 75.8126, 0.2750,
0.3085

■ 92.4319, 0.3059,
0.3257

■ 68.6336, 0.2600,
0.2987

■ 99.7462, 0.3150,
0.3328

■ 62.1678, 0.2458,
0.2883

■ 56.3818, 0.2327,
0.2772

■ 51.2389, 0.2212,
0.2658

■ 46.6977, 0.2114,
0.2541

■ 42.7110, 0.2038,
0.2423

■ 39.2209, 0.1981,
0.2307

■ 37.4298, 0.1957,
0.2243

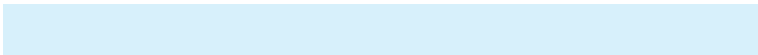
Harmonies

Analogous

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



83.7323, 0.2932, 0.3273



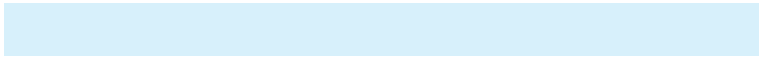
83.7323, 0.2904, 0.3175



83.7323, 0.2935, 0.3110

Triad

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



83.7323, 0.2904, 0.3175



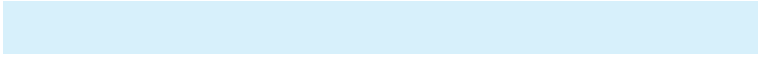
83.7323, 0.3243, 0.3204



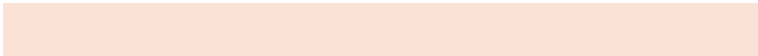
83.7323, 0.3236, 0.3493

Complementary

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



83.7323, 0.2904, 0.3175



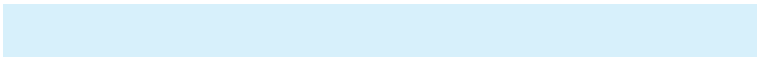
79.7749, 0.3379, 0.3402

Split Complementary

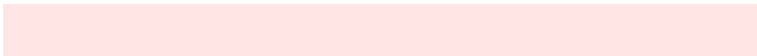
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



83.7323, 0.3322, 0.3470



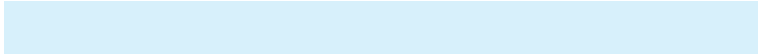
83.7323, 0.2904, 0.3175



83.7323, 0.3327, 0.3302

Square

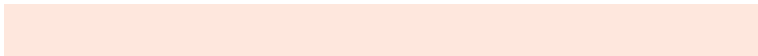
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



83.7323, 0.2904, 0.3175



83.7323, 0.3129, 0.3129



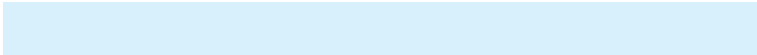
83.7323, 0.3356, 0.3399



83.7323, 0.3122, 0.3459

Rectangle

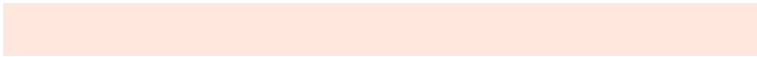
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



83.7323, 0.2904, 0.3175



83.7323, 0.2985, 0.3094



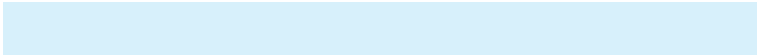
83.7323, 0.3356, 0.3399



83.7323, 0.3269, 0.3491

Sweetspot

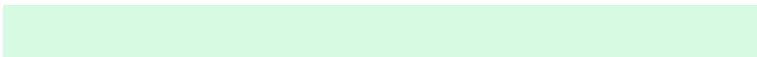
The Sweet Spot groups the original color and five complimentary colors.



83.7358, 0.2904, 0.3175



96.1486, 0.3065, 0.3260



88.9217, 0.3048, 0.3556



20.4279, 0.3054, 0.3254



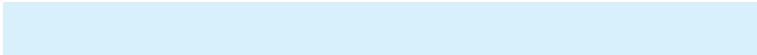
0.0000, 0.0000, 0.0000



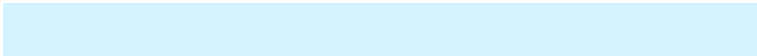
21.4041, 0.3127, 0.3290

Same Dimension

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



83.7358, 0.2904, 0.3175



84.5412, 0.2863, 0.3152



73.7291, 0.2898, 0.2984



18.6631, 0.2980, 0.3216



19.9406, 0.1962, 0.2262



2.0338, 0.2000, 0.2400

Inverse Universe

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



75.3750, 0.3218, 0.3040



74.5700, 0.3238, 0.2992



89.9984, 0.3353, 0.3578



17.4292, 0.3185, 0.3127



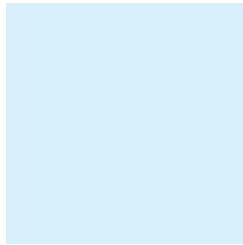
12.4239, 0.4166, 0.2069



1.1695, 0.4023, 0.1990

Previews

White Background



This preview shows how the Yxy color 83.7323, 0.2904, 0.3175 looks on a white background.

Color Contrast Check

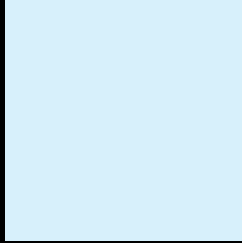
Large Text (above 18pt) WCAG AA × Fail

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 83.7323, 0.2904, 0.3175 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

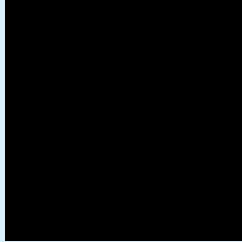
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

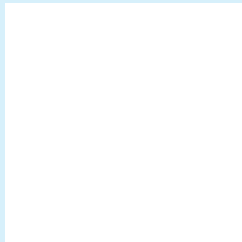
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 83.7323, 0.2904, 0.3175

Background



This preview shows how black text looks on a background with the Yxy color 83.7323, 0.2904, 0.3175.

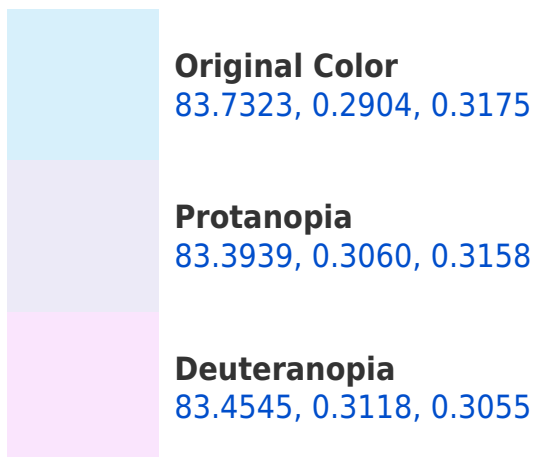


This preview shows how white text looks on a background with the Yxy color 83.7323, 0.2904, 0.3175.

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

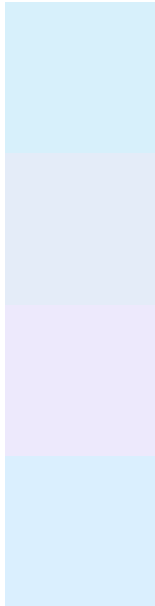




Tritanopia

83.4291, 0.2906, 0.3114

Trichromacy



Original Color

83.7323, 0.2904, 0.3175

Protanomaly

83.2622, 0.3002, 0.3167

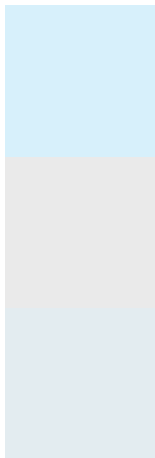
Deuteranomaly

83.3106, 0.3037, 0.3099

Tritanomaly

83.7942, 0.2906, 0.3135

Monochromacy



Original Color

83.7323, 0.2904, 0.3175

Achromatopsia

82.2786, 0.3127, 0.3290

Achromatomaly

82.6131, 0.3043, 0.3248

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.7323, 0.2904, 0.3175 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, 240, 251)` looks like.

```
.text, #text, p{  
    color:rgb(215, 240, 251)  
}
```

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, 240, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 240, 251) }
```

Border

The CSS property to change the border of an element to Yxy 83.7323, 0.2904, 0.3175 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, 240, 251) }
```

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

```
.border{ border-color:rgb(215, 240, 251) }
```

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

Here you see how a box with a 4 pixel `rgb(215, 240, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 240, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 240, 251);  
box-shadow:4px 4px 4px 4px rgb(215, 240,  
251) }
```


Background

The CSS property to change the background color of an element to Yxy 83.7323, 0.2904, 0.3175 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 240, 251) }
```

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

```
.background{ background-color: rgb(215,  
240, 251) }
```

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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