

Converting Colors

$Y_{xy}(81.7621, 0.2939, 0.3217)$

Have a look what the booklet for
Yxy(81.7621, 0.2939, 0.3217)
contains.

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Color

Yxy(81.5471, 0.2943, 0.3216)

Conversions

Conversions Part 1

Format	Color
Hex	D7EDF4
RGB	215, 237, 244
RGB Percent	84%, 93%, 96%
CMY	0.1571, 0.0705, 0.0431
CMYK	0.12, 0.03, 0.00, 0.04
HSL	194°, 57%, 90%
HSV	194°, 12%, 96%
XYZ	74.6247, 81.5471, 97.3950
YIQ	231.2200, -15.3590, -2.4870

Conversions

Conversions Part 2

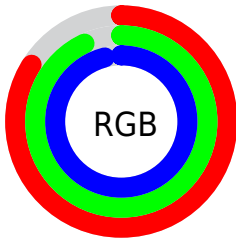
Format	Color
R _Y B	215, 228, 244
Decimal	14151156
CIE Lab	92.37, -5.87, -5.85
CIE LCh	92, 8.285, 224.924
Yxy	81.5471, 0.2943, 0.3216
Android (android.graphics.Color)	4292341236 (0xFFD7EDF4)
YUV	231.2200, 6.3005, -14.2249
Hunter-Lab	90.3034, -10.5226, -0.7337

Details

The Yxy color **81.5471, 0.2943, 0.3216** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **76.3388, 0.3333, 0.3363**, and the grayscale version is **80.0396, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **44.1522, 0.2901, 0.3194** is the 20% darker color. If you saturate the color by 10%, you get **74.7897, 0.2791, 0.3147**, and if you desaturate by 10%, it is **88.9731, 0.3098, 0.3279**.

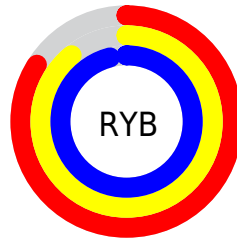
Distribution



Red (84%)

Green (93%)

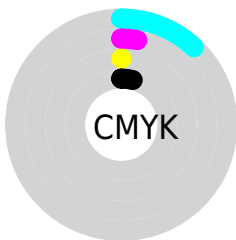
Blue (96%)



Red (84%)

Yellow (89%)

Blue (96%)

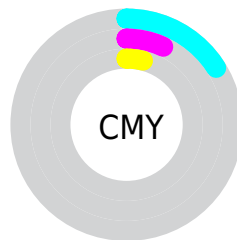


Cyan (12%)

Magenta (3%)

Yellow (0%)

Black (4%)



Cyan (16%)

Magenta (7%)

Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 81.5471, 0.2943, 0.3216 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 81.5471, 0.2943, 0.3216 by changing the saturation by 10% instead.

81.5471, 0.2943,
0.3216

81.5471, 0.2943,
0.3216

500.1315, 0.3026,
0.3250

60.9923, 0.2925,
0.3208

135.5387, 0.2971,
0.3228

44.2189, 0.2902,
0.3199

169.7443, 0.2983,
0.3232

30.8427, 0.2874,
0.3186

209.2689, 0.2992,
0.3236

20.4791, 0.2837,
0.3171

254.4970, 0.3001,
0.3240

12.7438, 0.2789,
0.3149

305.8129, 0.3008,
0.3243

7.2523, 0.2721,
0.3118

363.6010, 0.3015,

3.6204, 0.2619,

0.3246

0.3070

428.2457, 0.3021,
0.3248

■ 1.4636, 0.2450,
0.2987

■ 0.2629, 0.1002,
0.2469

■ 81.5471, 0.2943,
0.3216

■ 81.5471, 0.2943,
0.3216

■ 74.7897, 0.2791,
0.3147

■ 88.9731, 0.3098,
0.3279

■ 68.6653, 0.2644,
0.3072

■ 95.3852, 0.3195,
0.3336

■ 63.1502, 0.2506,
0.2993

■ 99.0607, 0.3191,
0.3392

■ 58.2149, 0.2380,
0.2908

■ 99.3118, 0.3191,
0.3395

■ 53.8271, 0.2270,
0.2820

■ 49.9508, 0.2178,
0.2731

■ 46.5447, 0.2105,
0.2640

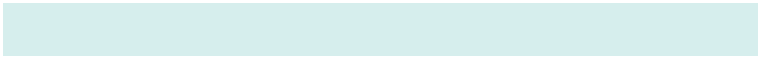
■ 43.5593, 0.2053,
0.2551

■ 41.3903, 0.2022,
0.2479

Harmonies

Analogous

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



81.5471, 0.2979, 0.3301



81.5471, 0.2943, 0.3216



81.5471, 0.2955, 0.3152

Triad

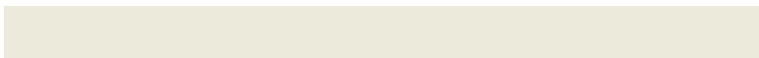
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



81.5471, 0.2943, 0.3216



81.5471, 0.3198, 0.3198



81.5471, 0.3241, 0.3457

Complementary

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



81.5471, 0.2943, 0.3216



76.3388, 0.3333, 0.3363

Split Complementary

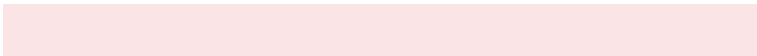
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



81.5471, 0.3302, 0.3426



81.5471, 0.2943, 0.3216



81.5471, 0.3277, 0.3276

Square

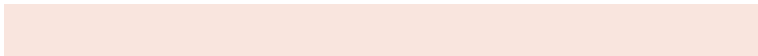
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



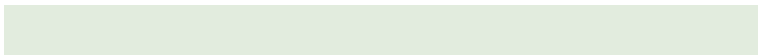
81.5471, 0.2943, 0.3216



81.5471, 0.3101, 0.3143



81.5471, 0.3315, 0.3360



81.5471, 0.3151, 0.3443

Rectangle

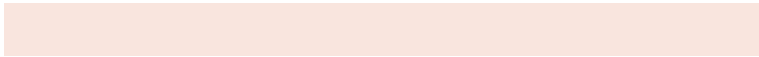
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



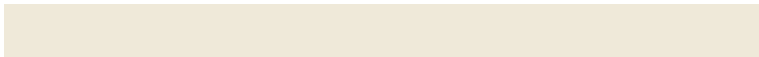
81.5471, 0.2943, 0.3216



81.5471, 0.2989, 0.3130



81.5471, 0.3315, 0.3360



81.5471, 0.3266, 0.3452

Sweetspot

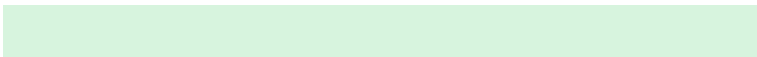
The Sweet Spot groups the original color and five complimentary colors.



81.5505, 0.2943, 0.3216



96.5630, 0.3065, 0.3266



84.3999, 0.3073, 0.3528



20.5330, 0.3053, 0.3261



0.0000, 0.0000, 0.0000



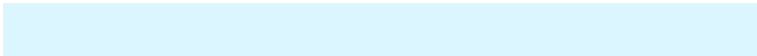
21.4041, 0.3127, 0.3290

Same Dimension

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



81.5505, 0.2943, 0.3216



88.4961, 0.2910, 0.3202



73.5810, 0.2940, 0.3062



18.0436, 0.2980, 0.3232



22.7283, 0.2026, 0.2494



2.1555, 0.2057, 0.2605

Inverse Universe

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



73.9208, 0.3188, 0.3065



78.7596, 0.3200, 0.3024



84.2733, 0.3315, 0.3508



16.6962, 0.3175, 0.3112



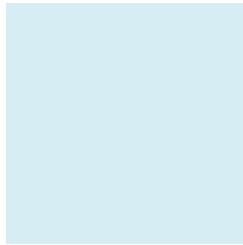
12.3938, 0.3929, 0.1938



1.1052, 0.3819, 0.1878

Previews

White Background



This preview shows how the Yxy color 81.5471, 0.2943, 0.3216 looks on a white background.

Color Contrast Check

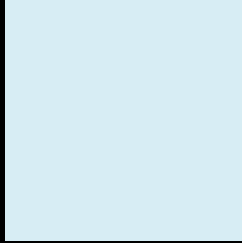
Large Text (above 18pt) WCAG AA × Fail

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 81.5471, 0.2943, 0.3216 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

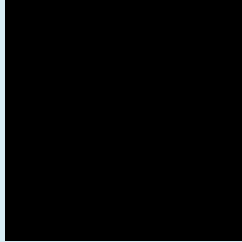
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

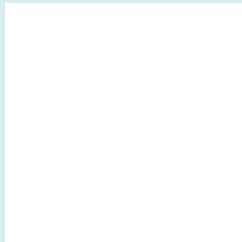
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 81.5471, 0.2943, 0.3216

Background



This preview shows how black text looks on a background with the Yxy color 81.5471, 0.2943, 0.3216.

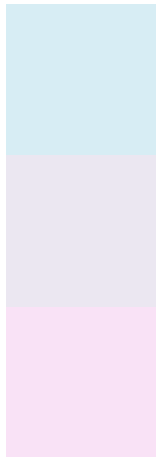


This preview shows how white text looks on a background with the Yxy color 81.5471, 0.2943, 0.3216.

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

81.5471, 0.2943, 0.3216

Protanopia

81.1649, 0.3091, 0.3188

Deuteranopia

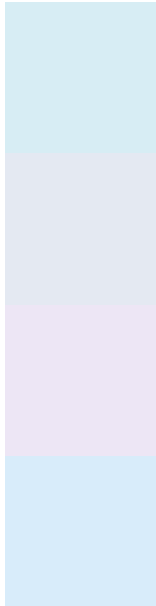
81.1863, 0.3157, 0.3092



Tritanopia

81.3241, 0.2898, 0.3092

Trichromacy



Original Color

81.5471, 0.2943, 0.3216

Protanomaly

81.1826, 0.3038, 0.3197

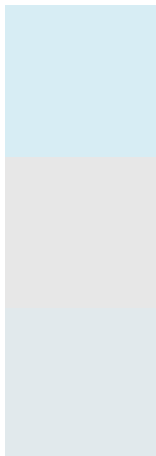
Deuteranomaly

81.1907, 0.3080, 0.3138

Tritanomaly

81.4920, 0.2915, 0.3143

Monochromacy



Original Color

81.5471, 0.2943, 0.3216

Achromatopsia

79.9103, 0.3127, 0.3290

Achromatomaly

80.3415, 0.3055, 0.3258

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.5471, 0.2943, 0.3216 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, 237, 244)` looks like.

```
.text, #text, p{  
    color:rgb(215, 237, 244)  
}
```

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, 237, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 237, 244) }
```

Border

The CSS property to change the border of an element to Yxy 81.5471, 0.2943, 0.3216 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, 237, 244) }
```

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

```
.border{ border-color:rgb(215, 237, 244) }
```

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

Here you see how a box with a 4 pixel `rgb(215, 237, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 237, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 237, 244);  
box-shadow:4px 4px 4px 4px rgb(215, 237,  
244) }
```


Background

The CSS property to change the background color of an element to Yxy 81.5471, 0.2943, 0.3216 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 237, 244) }
```

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

```
.background{ background-color: rgb(215,  
237, 244) }
```

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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