

Converting Colors

Yxy(83.0912, 0.3015, 0.3309)

Have a look what the booklet for
Yxy(83.0912, 0.3015, 0.3309)
contains.

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Color

Yxy(83.0631, 0.3016, 0.3311)

Conversions

Conversions Part 1

Format	Color
Hex	DCEFED
RGB	220, 239, 237
RGB Percent	86%, 94%, 93%
CMY	0.1373, 0.0627, 0.0707
CMYK	0.08, 0.00, 0.01, 0.06
HSL	174°, 37%, 90%
HSV	174°, 8%, 94%
XYZ	75.6624, 83.0631, 92.1446
YIQ	233.0910, -10.6820, -4.6500

Conversions

Conversions Part 2

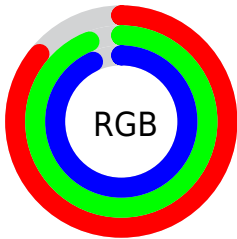
Format	Color
R _Y B	220, 230, 239
Decimal	14479341
CIE Lab	93.04, -6.61, -1.17
CIE LCh	93, 6.718, 190.053
Yxy	83.0631, 0.3016, 0.3311
Android (android.graphics.Color)	4292669421 (0xFFDCEFED)
YUV	233.0910, 1.9271, -11.4808
Hunter-Lab	91.1390, -11.3047, 3.8531

Details

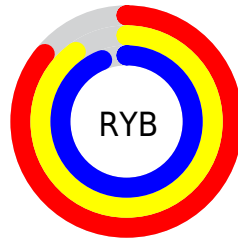
The Yxy color **83.0631, 0.3016, 0.3311** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **74.8105, 0.3250, 0.3269**, and the grayscale version is **81.5489, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.2025, 0.2993, 0.3317** is the 20% darker color. If you saturate the color by 10%, you get **79.4516, 0.2882, 0.3340**, and if you desaturate by 10%, it is **87.2169, 0.3156, 0.3285**.

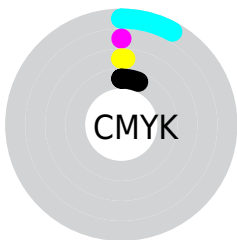
Distribution



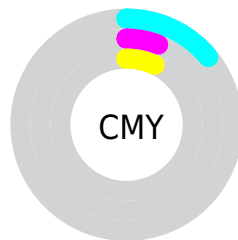
- Red (86%)
- Green (94%)
- Blue (93%)



- Red (86%)
- Yellow (90%)
- Blue (94%)



- Cyan (8%)
- Magenta (0%)
- Yellow (1%)
- Black (6%)





- Cyan (14%)
- Magenta (6%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 83.0631, 0.3016, 0.3311 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 83.0631, 0.3016, 0.3311 by changing the saturation by 10% instead.


 83.0631, 0.3016,
0.3311

 83.0631, 0.3016,
0.3311


505.1968, 0.3066,
0.3302

 62.2422, 0.3005,
0.3313


137.6638, 0.3033,
0.3308

 45.2284, 0.2991,
0.3315


172.2125, 0.3040,
0.3307

 31.6374, 0.2974,
0.3319


212.1058, 0.3046,
0.3306

 21.0847, 0.2952,
0.3322

257.7282, 0.3051,
0.3305

 13.1859, 0.2923,
0.3328

309.4641, 0.3055,
0.3304

 7.5567, 0.2881,
0.3335

367.6979, 0.3059,

 3.8126, 0.2819,

0.3303

432.8140, 0.3063,
0.3302

0.3345

1.5693, 0.2715,
0.3362

0.3368, 0.1680,
0.3567

83.0631, 0.3016,
0.3311

83.0631, 0.3016,
0.3311

79.4516, 0.2882,
0.3340

87.2169, 0.3156,
0.3285

76.3494, 0.2758,
0.3371


89.4156, 0.3214,
0.3260

73.7358, 0.2646,
0.3404


89.5706, 0.3198,
0.3235


71.5848, 0.2549,
0.3439

89.7277, 0.3182,
0.3211


 69.8679, 0.2470,
0.3475


 89.8870, 0.3166,
0.3186


 68.5533, 0.2410,
0.3512

 90.0485, 0.3151,
0.3162

 67.6052, 0.2369,
0.3550

 90.2121, 0.3135,
0.3137

 66.9810, 0.2347,
0.3587

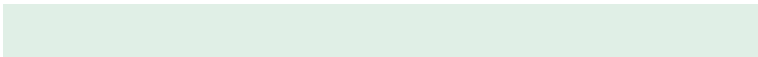
 90.2192, 0.3134,
0.3136

 66.6227, 0.2342,
0.3624

Harmonies

Analogous

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



83.0631, 0.3081, 0.3376



83.0631, 0.3016, 0.3311



83.0631, 0.2981, 0.3241

Triad

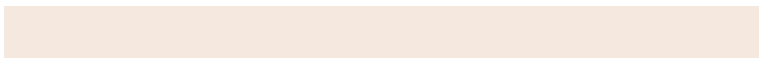
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.0631, 0.3016, 0.3311



83.0631, 0.3094, 0.3167



83.0631, 0.3272, 0.3393

Complementary

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



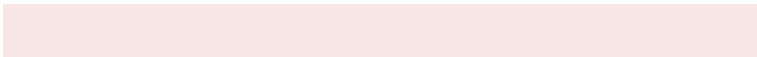
83.0631, 0.3016, 0.3311



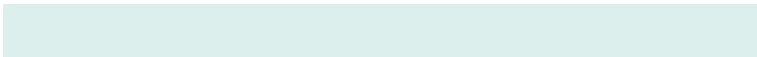
74.8105, 0.3250, 0.3269

Split Complementary

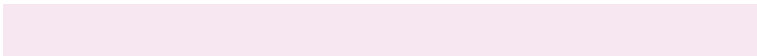
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



83.0631, 0.3276, 0.3336



83.0631, 0.3016, 0.3311



83.0631, 0.3172, 0.3207

Square

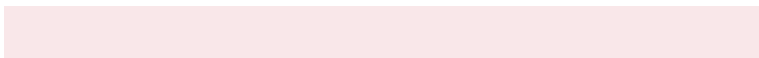
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



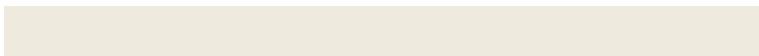
83.0631, 0.3016, 0.3311



83.0631, 0.3025, 0.3159



83.0631, 0.3239, 0.3268



83.0631, 0.3229, 0.3423

Rectangle

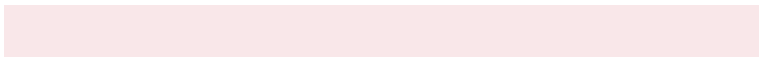
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



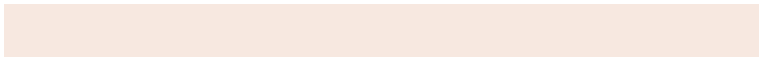
83.0631, 0.3016, 0.3311



83.0631, 0.2978, 0.3202



83.0631, 0.3239, 0.3268



83.0631, 0.3278, 0.3376

Sweetspot

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



83.0666, 0.3016, 0.3311



99.0104, 0.3099, 0.3295



82.4691, 0.3132, 0.3492



21.2027, 0.3100, 0.3295



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.



83.0666, 0.3016, 0.3311



95.3058, 0.2988, 0.3317



79.0030, 0.3004, 0.3213



17.8981, 0.2995, 0.3315



36.7932, 0.2340, 0.3625



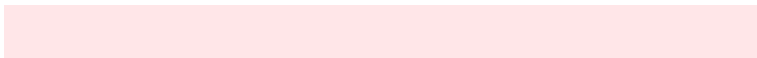
3.0691, 0.2327, 0.3577

Inverse Universe

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



74.8105, 0.3250, 0.3269



83.4150, 0.3286, 0.3263



78.6124, 0.3257, 0.3366



15.7863, 0.3276, 0.3265



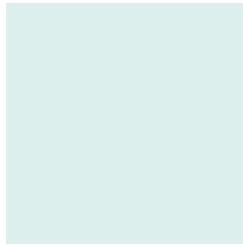
10.1903, 0.6273, 0.3229



0.8568, 0.6013, 0.3086

Previews

White Background



This preview shows how the Yxy color 83.0631, 0.3016, 0.3311 looks on a white background.

Color Contrast Check

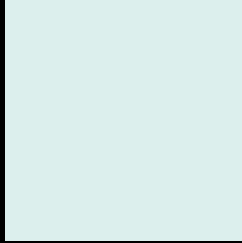
Large Text (above 18pt) WCAG AA × Fail

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 83.0631, 0.3016, 0.3311 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

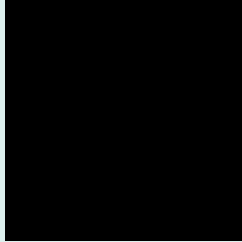
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

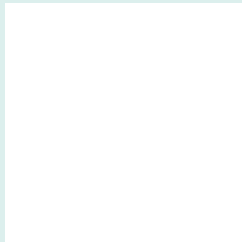
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 83.0631, 0.3016, 0.3311

Background



This preview shows how black text looks on a background with the Yxy color 83.0631, 0.3016, 0.3311.

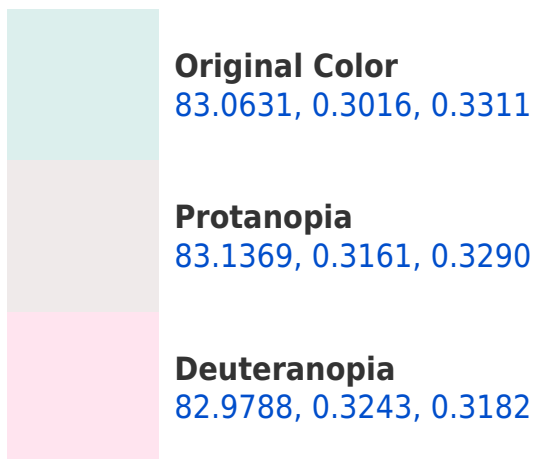


This preview shows how white text looks on a background with the Yxy color 83.0631, 0.3016, 0.3311.

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

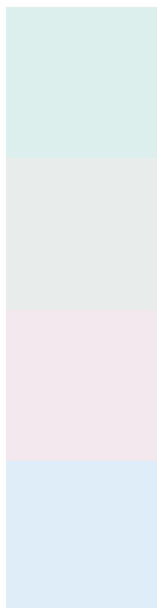




Tritanopia

82.8989, 0.2930, 0.3095

Trichromacy



Original Color

83.0631, 0.3016, 0.3311

Protanomaly

83.1449, 0.3107, 0.3300

Deuteranomaly

82.7635, 0.3157, 0.3230

Tritanomaly

82.8753, 0.2964, 0.3176

Monochromacy



Original Color

83.0631, 0.3016, 0.3311

Achromatopsia

81.4847, 0.3127, 0.3290

Achromatomaly

81.8512, 0.3087, 0.3300

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.0631, 0.3016, 0.3311 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(220, 239, 237)` looks like.

```
.text, #text, p{  
    color:rgb(220, 239, 237)  
}
```

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(220, 239, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 239, 237) }
```

Border

The CSS property to change the border of an element to Yxy 83.0631, 0.3016, 0.3311 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(220, 239, 237) }
```

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

```
.border{ border-color:rgb(220, 239, 237) }
```

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

Here you see how a box with a 4 pixel rgb(220, 239, 237) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 239, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 239, 237);  
box-shadow:4px 4px 4px 4px rgb(220, 239,  
237) }
```


Background

The CSS property to change the background color of an element to Yxy 83.0631, 0.3016, 0.3311 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 239, 237) }
```

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

```
.background{ background-color: rgb(220,  
239, 237) }
```

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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