

Converting Colors

$Yxy(83.6653, 0.3083, 0.3405)$

Have a look what the booklet for
Yxy(83.6653, 0.3083, 0.3405)
contains.

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Color

Yxy(83.6653, 0.3083, 0.3405)

Conversions

Conversions Part 1

Format	Color
Hex	DFF0E5
RGB	223, 240, 229
RGB Percent	87%, 94%, 90%
CMY	0.1252, 0.0589, 0.1019
CMYK	0.07, 0.00, 0.05, 0.06
HSL	141°, 36%, 91%
HSV	141°, 7%, 94%
XYZ	75.7533, 83.6653, 86.2944
YIQ	233.6630, -6.6010, -7.0250

Conversions

Conversions Part 2

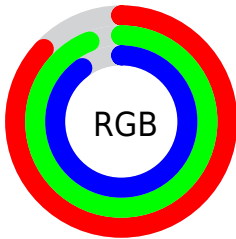
Format	Color
R _Y B	223, 236, 240
Decimal	14676197
CIE Lab	93.30, -7.56, 3.37
CIE LCh	93, 8.280, 155.968
Yxy	83.6653, 0.3083, 0.3405
Android (android.graphics.Color)	4292866277 (0xFFDFF0E5)
YUV	233.6630, -2.2989, -9.3515
Hunter-Lab	91.4687, -12.2387, 8.0921

Details

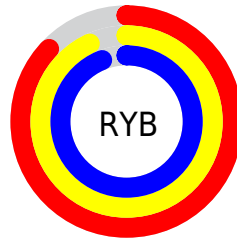
The Yxy color **83.6653, 0.3083, 0.3405** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **77.2828, 0.3174, 0.3178**, and the grayscale version is **82.0442, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.6618, 0.3071, 0.3426** is the 20% darker color. If you saturate the color by 10%, you get **79.2902, 0.3021, 0.3586**, and if you desaturate by 10%, it is **88.6659, 0.3146, 0.3245**.

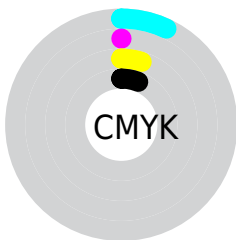
Distribution



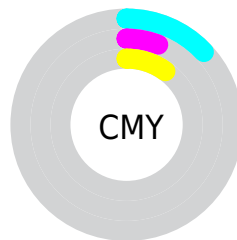
- Red (87%)
- Green (94%)
- Blue (90%)



- Red (87%)
- Yellow (93%)
- Blue (94%)



- Cyan (7%)
- Magenta (0%)
- Yellow (5%)
- Black (6%)





- Cyan (13%)
- Magenta (6%)
- Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 83.6653, 0.3083, 0.3405 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 83.6653, 0.3083, 0.3405 by changing the saturation by 10% instead.

 83.6653, 0.3083,
0.3405

 83.6653, 0.3083,
0.3405


507.2011, 0.3103,
0.3353

 62.7391, 0.3078,
0.3417


138.5069, 0.3090,
0.3387

 45.6302, 0.3073,
0.3431


173.1911, 0.3093,
0.3380

 31.9541, 0.3066,
0.3449


213.2301, 0.3095,
0.3374

 21.3264, 0.3057,
0.3473

259.0083, 0.3097,
0.3369

 13.3628, 0.3044,
0.3505

310.9102, 0.3099,
0.3364

 7.6789, 0.3027,
0.3550

369.3200, 0.3100,

 3.8902, 0.3000,

0.3360

0.3619

434.6222, 0.3102,
0.3356

■ 1.6123, 0.2953,
0.3739

■ 0.3659, 0.2359,
0.5290

■ 83.6653, 0.3083,
0.3405

■ 83.6653, 0.3083,
0.3405

■ 79.2902, 0.3021,
0.3586

■ 88.6659, 0.3146,
0.3245

■ 75.5052, 0.2961,
0.3788

■ 90.7905, 0.3134,
0.3146

■ 72.2876, 0.2907,
0.4009

■ 69.6090, 0.2860,
0.4248

■ 67.4386, 0.2825,
0.4498

■ 65.7423, 0.2805,
0.4753

■ 64.4817, 0.2802,
0.5002

■ 63.6117, 0.2817,
0.5234

■ 63.0754, 0.2849,
0.5439

Harmonies

Analogous

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



83.6653, 0.3179, 0.3451



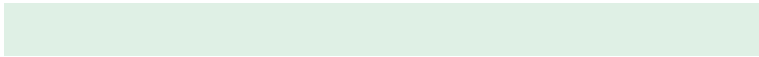
83.6653, 0.3083, 0.3405



83.6653, 0.3000, 0.3327

Triad

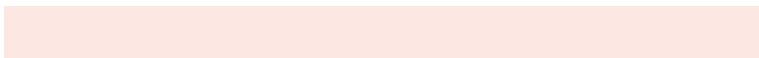
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.6653, 0.3083, 0.3405



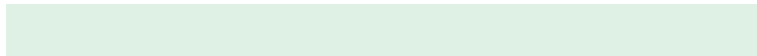
83.6653, 0.2993, 0.3131



83.6653, 0.3307, 0.3335

Complementary

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



83.6653, 0.3083, 0.3405



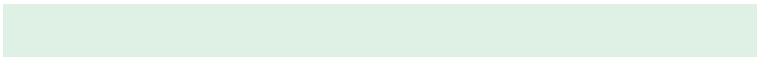
77.2828, 0.3174, 0.3178

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.



83.6653, 0.3256, 0.3252



83.6653, 0.3083, 0.3405



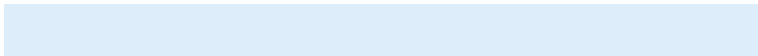
83.6653, 0.3073, 0.3135

Square

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



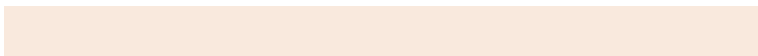
83.6653, 0.3083, 0.3405



83.6653, 0.2948, 0.3169



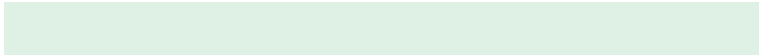
83.6653, 0.3170, 0.3179



83.6653, 0.3310, 0.3408

Rectangle

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



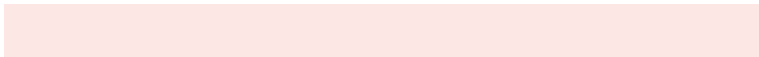
83.6653, 0.3083, 0.3405



83.6653, 0.2962, 0.3269



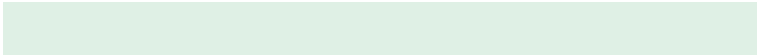
83.6653, 0.3170, 0.3179



83.6653, 0.3295, 0.3308

Sweetspot

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



83.6689, 0.3083, 0.3405



98.8342, 0.3115, 0.3322



85.1462, 0.3192, 0.3465



21.1668, 0.3115, 0.3320



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

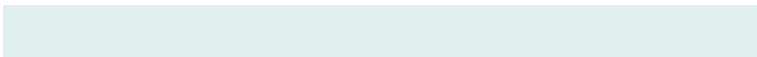
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.6689, 0.3083, 0.3405



95.5107, 0.3077, 0.3422



84.1515, 0.3033, 0.3316



17.7481, 0.3068, 0.3447



34.4906, 0.2851, 0.5465



2.8875, 0.2778, 0.5199

Inverse Universe

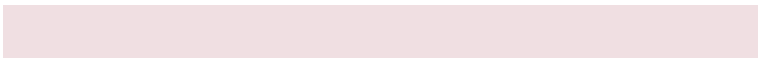
The Inverse Universe completely reimagines the original color for something new.



77.2828, 0.3174, 0.3178



87.2150, 0.3181, 0.3162



76.8094, 0.3230, 0.3264



15.9316, 0.3192, 0.3138



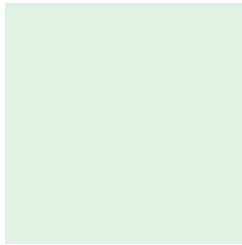
11.4761, 0.4343, 0.2166



0.9735, 0.4154, 0.2062

Previews

White Background



This preview shows how the Yxy color 83.6653, 0.3083, 0.3405 looks on a white background.

Color Contrast Check

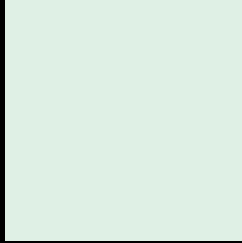
Large Text (above 18pt) WCAG AA × Fail

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 83.6653, 0.3083, 0.3405 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

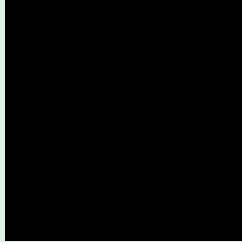
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

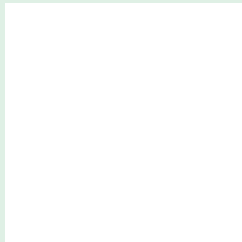
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 83.6653, 0.3083, 0.3405

Background



This preview shows how black text looks on a background with the Yxy color 83.6653, 0.3083, 0.3405.

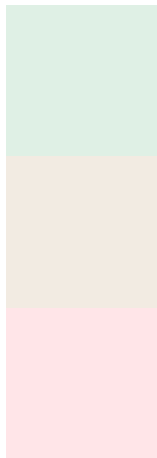


This preview shows how white text looks on a background with the Yxy color 83.6653, 0.3083, 0.3405.

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

83.6653, 0.3083, 0.3405

Protanopia

83.7849, 0.3231, 0.3382

Deuteranopia

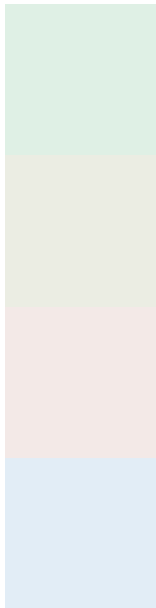
83.1248, 0.3288, 0.3261



Tritanopia

83.5418, 0.2955, 0.3096

Trichromacy



Original Color

83.6653, 0.3083, 0.3405

Protanomaly

83.7766, 0.3176, 0.3393

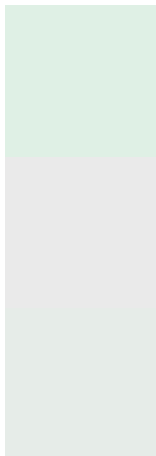
Deuteranomaly

83.1020, 0.3208, 0.3311

Tritanomaly

83.3909, 0.3001, 0.3197

Monochromacy



Original Color

83.6653, 0.3083, 0.3405

Achromatopsia

82.2786, 0.3127, 0.3290

Achromatomaly

82.6401, 0.3112, 0.3331

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.6653, 0.3083, 0.3405 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(223, 240, 229)` looks like.

```
.text, #text, p{  
    color:rgb(223, 240, 229)  
}
```

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(223, 240, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 240, 229) }
```

Border

The CSS property to change the border of an element to Yxy 83.6653, 0.3083, 0.3405 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(223, 240, 229) }
```

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

```
.border{ border-color:rgb(223, 240, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(223, 240, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 240, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 240, 229);  
box-shadow:4px 4px 4px 4px rgb(223, 240,  
229) }
```


Background

The CSS property to change the background color of an element to Yxy 83.6653, 0.3083, 0.3405 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 240, 229) }
```

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

```
.background{ background-color: rgb(223,  
240, 229) }
```

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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