

Converting Colors

$Yxy(84.1832, 0.3181, 0.3517)$

Have a look what the booklet for
Yxy(84.1832, 0.3181, 0.3517)
contains.

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Color

Yxy(83.9286, 0.3176, 0.3510)

Conversions

Conversions Part 1

Format	Color
Hex	E4F0DB
RGB	228, 240, 219
RGB Percent	89%, 94%, 86%
CMY	0.1059, 0.0588, 0.1410
CMYK	0.05, 0.00, 0.09, 0.06
HSL	94°, 41%, 90%
HSV	94°, 9%, 94%
XYZ	75.9422, 83.9286, 79.2420
YIQ	234.0180, -0.4110, -9.0750

Conversions

Conversions Part 2

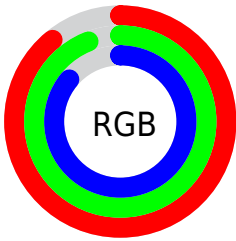
Format	Color
R _Y B	219, 240, 231
Decimal	15003867
CIE Lab	93.42, -7.67, 8.76
CIE LCh	93, 11.640, 131.223
Yxy	83.9286, 0.3176, 0.3510
Android (android.graphics.Color)	4293193947 (0xFFE4F0DB)
YUV	234.0180, -7.4039, -5.2778
Hunter-Lab	91.6126, -12.3544, 12.8448

Details

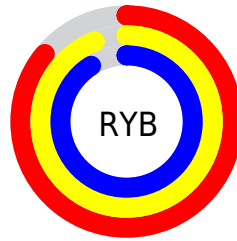
The Yxy color **83.9286, 0.3176, 0.3510** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **73.9745, 0.3074, 0.3072**, and the grayscale version is **82.3537, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.8456, 0.3191, 0.3561** is the 20% darker color. If you saturate the color by 10%, you get **80.5964, 0.3231, 0.3784**, and if you desaturate by 10%, it is **87.6294, 0.3120, 0.3260**.

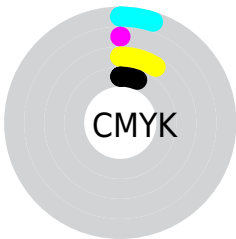
Distribution



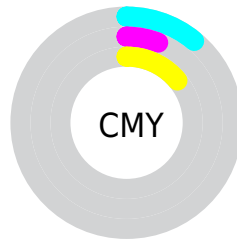
- Red (89%)
- Green (94%)
- Blue (86%)



- Red (86%)
- Yellow (94%)
- Blue (91%)



- Cyan (5%)
- Magenta (0%)
- Yellow (9%)
- Black (6%)



- Cyan (11%)
- Magenta (6%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 83.9286, 0.3176, 0.3510 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 83.9286, 0.3176, 0.3510 by changing the saturation by 10% instead.

83.9286, 0.3176,
0.3510

83.9286, 0.3176,
0.3510

508.0761, 0.3155,
0.3409

62.9565, 0.3181,
0.3533

138.8753, 0.3169,
0.3475

45.8060, 0.3186,
0.3561

173.6187, 0.3166,
0.3462

32.0928, 0.3193,
0.3596

213.7212, 0.3163,
0.3450

21.4324, 0.3202,
0.3641

259.5674, 0.3161,
0.3440

13.4404, 0.3213,
0.3703

311.5416, 0.3159,
0.3431

7.7325, 0.3228,
0.3791

370.0282, 0.3158,

3.9243, 0.3248,

0.3423

0.3926

435.4116, 0.3156,
0.3416

■ 1.6313, 0.3277,
0.4158

■ 0.3786, 0.3131,
0.6869

■ 83.9286, 0.3176,
0.3510

■ 83.9286, 0.3176,
0.3510

■ 80.5964, 0.3231,
0.3784

■ 87.6294, 0.3120,
0.3260

■ 77.6100, 0.3282,
0.4078

■ 90.8035, 0.3134,
0.3146

■ 74.9604, 0.3327,
0.4386

■ 72.6341, 0.3361,
0.4697

■ 70.6167, 0.3380,
0.4998

■ 68.8922, 0.3381,
0.5271

■ 67.4432, 0.3361,
0.5499

■ 66.2494, 0.3322,
0.5670

■ 65.2835, 0.3268,
0.5781

Harmonies

Analogous

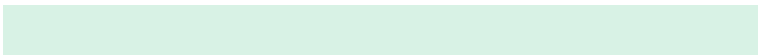
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.9286, 0.3299, 0.3522



83.9286, 0.3176, 0.3510



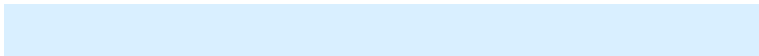
83.9286, 0.3042, 0.3436

Triad

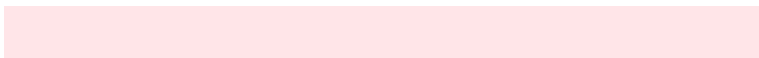
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.9286, 0.3176, 0.3510



83.9286, 0.2883, 0.3107



83.9286, 0.3325, 0.3256

Complementary

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



83.9286, 0.3176, 0.3510



73.9745, 0.3074, 0.3072

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.



83.9286, 0.3210, 0.3151



83.9286, 0.3176, 0.3510



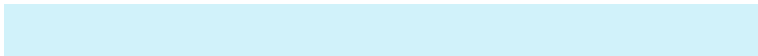
83.9286, 0.2955, 0.3065

Square

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



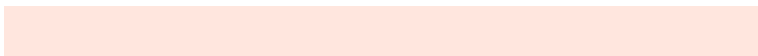
83.9286, 0.3176, 0.3510



83.9286, 0.2875, 0.3199



83.9286, 0.3074, 0.3081



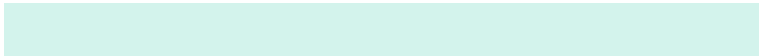
83.9286, 0.3387, 0.3372

Rectangle

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



83.9286, 0.3176, 0.3510



83.9286, 0.2964, 0.3361



83.9286, 0.3074, 0.3081



83.9286, 0.3291, 0.3218

Sweetspot

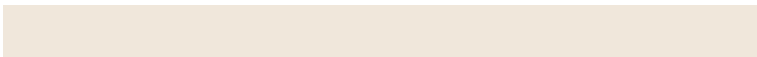
The Sweet Spot groups the original color and five complimentary colors.



83.9322, 0.3176, 0.3510



98.6948, 0.3144, 0.3364



80.7504, 0.3266, 0.3413



21.0515, 0.3148, 0.3384



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.



83.9322, 0.3176, 0.3510



95.7975, 0.3183, 0.3544



82.5805, 0.3108, 0.3499



17.9861, 0.3180, 0.3530



35.7499, 0.3273, 0.5784



3.0315, 0.3375, 0.5702

Inverse Universe

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



73.9745, 0.3074, 0.3072



82.7897, 0.3066, 0.3038



75.4194, 0.3146, 0.3090



15.6760, 0.3070, 0.3052



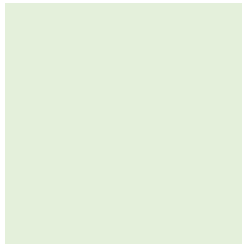
6.4618, 0.2174, 0.0971



0.5961, 0.2305, 0.1043

Previews

White Background



This preview shows how the Yxy color 83.9286, 0.3176, 0.3510 looks on a white background.

Color Contrast Check

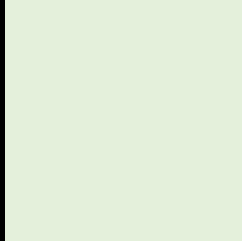
Large Text (above 18pt) WCAG AA × Fail

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 83.9286, 0.3176, 0.3510 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

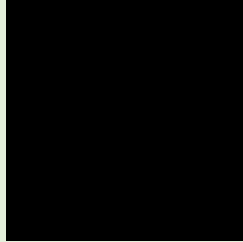
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

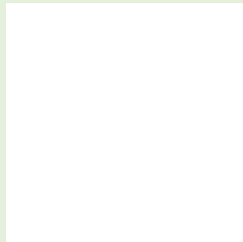
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 83.9286, 0.3176, 0.3510

Background



This preview shows how black text looks on a background with the Yxy color 83.9286, 0.3176, 0.3510.

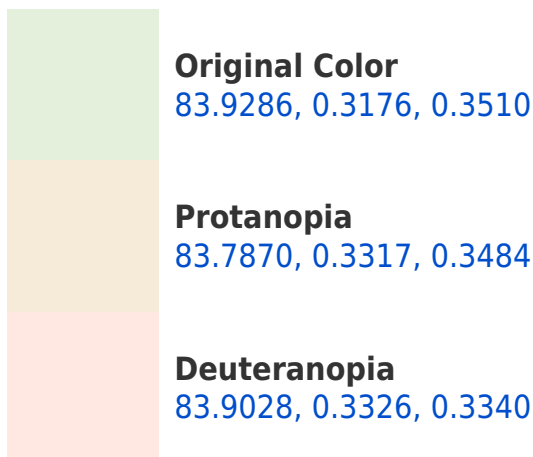


This preview shows how white text looks on a background with the Yxy color 83.9286, 0.3176, 0.3510.

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

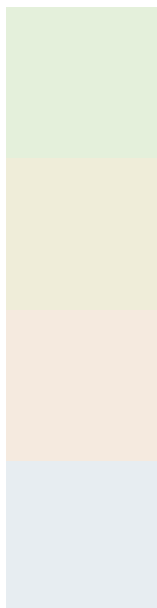




Tritanopia

83.8961, 0.2999, 0.3098

Trichromacy



Original Color

83.9286, 0.3176, 0.3510

Protanomaly

83.9288, 0.3266, 0.3496

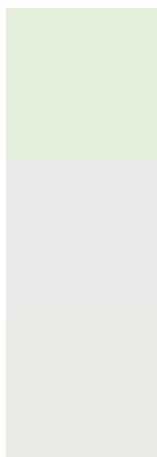
Deuteranomaly

83.5858, 0.3272, 0.3402

Tritanomaly

83.9082, 0.3063, 0.3249

Monochromacy



Original Color

83.9286, 0.3176, 0.3510

Achromatopsia

82.2786, 0.3127, 0.3290

Achromatomaly

82.8039, 0.3144, 0.3363

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.9286, 0.3176, 0.3510 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(228, 240, 219)` looks like.

```
.text, #text, p{  
    color:rgb(228, 240, 219)  
}
```

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(228, 240, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 240, 219) }
```

Border

The CSS property to change the border of an element to Yxy 83.9286, 0.3176, 0.3510 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(228, 240, 219) }
```

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

```
.border{ border-color:rgb(228, 240, 219) }
```

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

Here you see how a box with a 4 pixel rgb(228, 240, 219) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 240, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 240, 219);  
box-shadow:4px 4px 4px 4px rgb(228, 240,  
219) }
```


Background

The CSS property to change the background color of an element to Yxy 83.9286, 0.3176, 0.3510 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 240, 219) }
```

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

```
.background{ background-color: rgb(228,  
240, 219) }
```

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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