

Converting Colors

$Y_{xy}(83.6129, 0.3180, 0.3576)$

Have a look what the booklet for
Yxy(83.6129, 0.3180, 0.3576)
contains.

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Color

Yxy(83.6129, 0.3180, 0.3576)

Conversions

Conversions Part 1

Format	Color
Hex	E0F1D6
RGB	224, 241, 214
RGB Percent	88%, 95%, 84%
CMY	0.1212, 0.0550, 0.1607
CMYK	0.07, 0.00, 0.11, 0.05
HSL	98°, 49%, 89%
HSV	98°, 11%, 95%
XYZ	74.3538, 83.6129, 75.8502
YIQ	232.8390, -1.4650, -12.0010

Conversions

Conversions Part 2

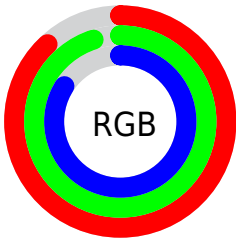
Format	Color
RYB	214, 241, 231
Decimal	14741974
CIELab	93.28, -10.34, 11.12
CIELCh	93, 15.184, 132.902
Yxy	83.6129, 0.3180, 0.3576
Android (android.graphics.Color)	4292932054 (0xFFE0F1D6)
YUV	232.8390, -9.2876, -7.7518
Hunter-Lab	91.4401, -14.8744, 14.8266

Details

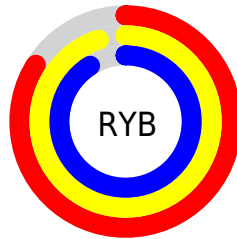
The Yxy color **83.6129, 0.3180, 0.3576** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **71.4284, 0.3068, 0.3008**, and the grayscale version is **81.4421, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.6361, 0.3195, 0.3648** is the 20% darker color. If you saturate the color by 10%, you get **80.1663, 0.3225, 0.3858**, and if you desaturate by 10%, it is **87.4633, 0.3133, 0.3319**.

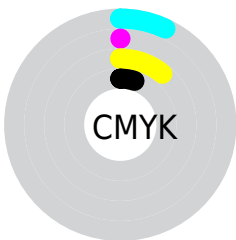
Distribution



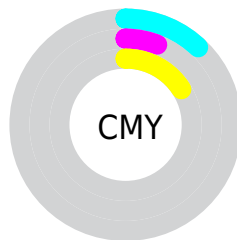
- Red (88%)
- Green (95%)
- Blue (84%)



- Red (84%)
- Yellow (95%)
- Blue (91%)



- Cyan (7%)
- Magenta (0%)
- Yellow (11%)
- Black (5%)




- Cyan (12%)
- Magenta (6%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 83.6129, 0.3180, 0.3576 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 83.6129, 0.3180, 0.3576 by changing the saturation by 10% instead.


 83.6129, 0.3180,
0.3576

 83.6129, 0.3180,
0.3576


507.0269, 0.3157,
0.3445

 62.6959, 0.3185,
0.3606


138.4336, 0.3172,
0.3531

 45.5952, 0.3191,
0.3642


173.1060, 0.3169,
0.3513

 31.9265, 0.3198,
0.3689


213.1323, 0.3167,
0.3498

 21.3054, 0.3206,
0.3749

258.8970, 0.3164,
0.3484

 13.3474, 0.3217,
0.3831

310.7844, 0.3162,
0.3473

 7.6682, 0.3231,
0.3948

369.1789, 0.3160,

 3.8834, 0.3248,

0.3462

0.4128

434.4650, 0.3159,
0.3453

■ 1.6085, 0.3273,
0.4450

■ 0.3634, 0.2038,
0.7962

■ 83.6129, 0.3180,
0.3576

■ 83.6129, 0.3180,
0.3576

■ 80.1663, 0.3225,
0.3858

■ 87.4633, 0.3133,
0.3319

■ 77.0992, 0.3266,
0.4160

■ 91.2459, 0.3129,
0.3155

■ 74.4009, 0.3300,
0.4477

■ 91.3801, 0.3133,
0.3156

■ 72.0559, 0.3323,
0.4794

■ 70.0479, 0.3331,
0.5098

■ 68.3587, 0.3321,
0.5370

■ 66.9681, 0.3293,
0.5591

■ 65.8531, 0.3249,
0.5750

■ 65.0705, 0.3201,
0.5841

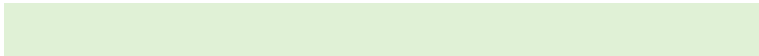
Harmonies

Analogous

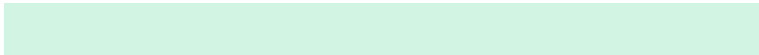
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.6129, 0.3343, 0.3595



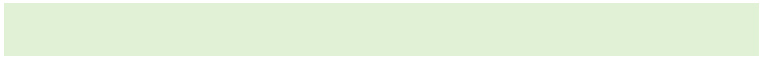
83.6129, 0.3180, 0.3576



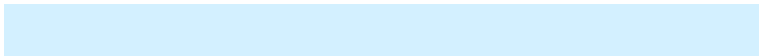
83.6129, 0.3006, 0.3474

Triad

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



83.6129, 0.3180, 0.3576



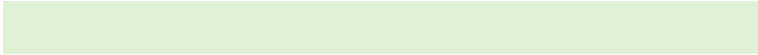
83.6129, 0.2813, 0.3045



83.6129, 0.3393, 0.3253

Complementary

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



83.6129, 0.3180, 0.3576



71.4284, 0.3068, 0.3008

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.



83.6129, 0.3244, 0.3116



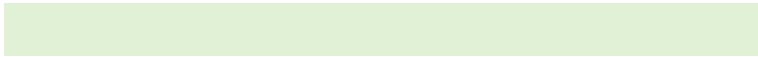
83.6129, 0.3180, 0.3576



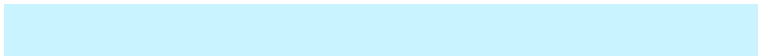
83.6129, 0.2910, 0.2996

Square

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



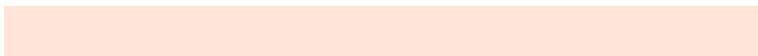
83.6129, 0.3180, 0.3576



83.6129, 0.2797, 0.3162



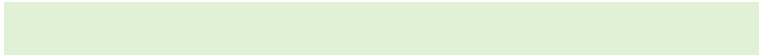
83.6129, 0.3067, 0.3023



83.6129, 0.3469, 0.3403

Rectangle

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



83.6129, 0.3180, 0.3576



83.6129, 0.2907, 0.3374



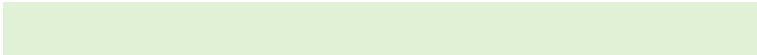
83.6129, 0.3067, 0.3023



83.6129, 0.3349, 0.3204

Sweetspot

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



83.6165, 0.3180, 0.3576



98.6189, 0.3141, 0.3364



80.5078, 0.3307, 0.3463



21.0310, 0.3145, 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.



83.6165, 0.3180, 0.3576



94.3159, 0.3189, 0.3626



82.2175, 0.3095, 0.3547



17.9437, 0.3172, 0.3530



35.3628, 0.3212, 0.5832



2.9968, 0.3314, 0.5751

Inverse Universe

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



71.4284, 0.3068, 0.3008



78.3715, 0.3058, 0.2960



72.9641, 0.3161, 0.3046



15.7196, 0.3078, 0.3053



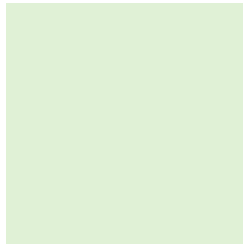
7.0942, 0.2292, 0.1036



0.6467, 0.2412, 0.1102

Previews

White Background



This preview shows how the Yxy color 83.6129, 0.3180, 0.3576 looks on a white background.

Color Contrast Check

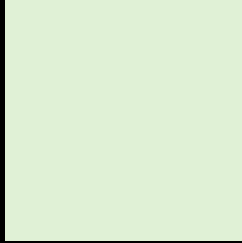
Large Text (above 18pt) WCAG AA × Fail

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 83.6129, 0.3180, 0.3576 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

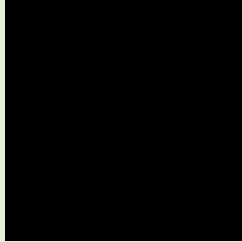
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

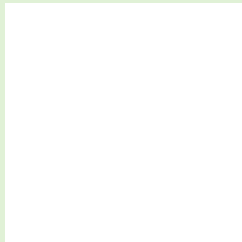
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 83.6129, 0.3180, 0.3576

Background



This preview shows how black text looks on a background with the Yxy color 83.6129, 0.3180, 0.3576.

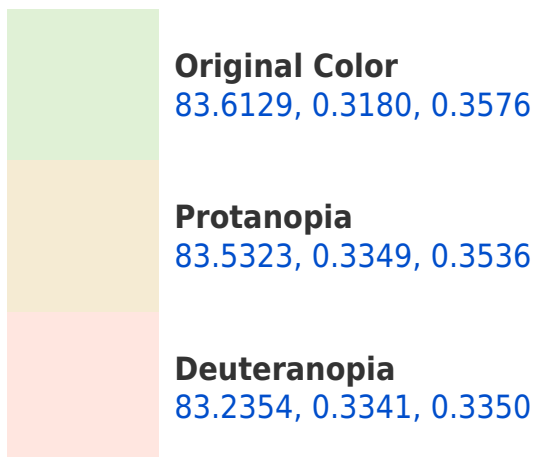


This preview shows how white text looks on a background with the Yxy color 83.6129, 0.3180, 0.3576.

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

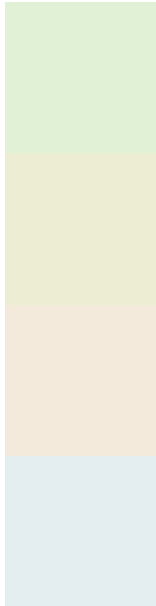




Tritanopia

83.3954, 0.2980, 0.3097

Trichromacy



Original Color

83.6129, 0.3180, 0.3576

Protanomaly

83.3264, 0.3284, 0.3550

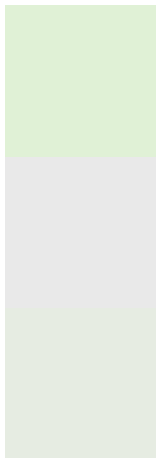
Deuteranomaly

83.2460, 0.3285, 0.3433

Tritanomaly

83.2943, 0.3056, 0.3269

Monochromacy



Original Color

83.6129, 0.3180, 0.3576

Achromatopsia

81.4847, 0.3127, 0.3290

Achromatomaly

82.3049, 0.3149, 0.3394

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.6129, 0.3180, 0.3576 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(224, 241, 214)` looks like.

```
.text, #text, p{  
    color:rgb(224, 241, 214)  
}
```

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(224, 241, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 241, 214) }
```

Border

The CSS property to change the border of an element to Yxy 83.6129, 0.3180, 0.3576 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(224, 241, 214) }
```

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

```
.border{ border-color:rgb(224, 241, 214) }
```

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

Here you see how a box with a 4 pixel rgb(224, 241, 214) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 241, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 241, 214);  
box-shadow:4px 4px 4px 4px rgb(224, 241,  
214) }
```


Background

The CSS property to change the background color of an element to Yxy 83.6129, 0.3180, 0.3576 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 241, 214) }
```

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

```
.background{ background-color: rgb(224,  
241, 214) }
```

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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