

Converting Colors

$Yxy(83.4462, 0.3185, 0.3624)$

Have a look what the booklet for
Yxy(83.4462, 0.3185, 0.3624)
contains.

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Color

Yxy(83.6870, 0.3190, 0.3631)

Conversions

Conversions Part 1

Format	Color
Hex	DEF2D2
RGB	222, 242, 210
RGB Percent	87%, 95%, 82%
CMY	0.1292, 0.0510, 0.1764
CMYK	0.08, 0.00, 0.13, 0.05
HSL	97°, 55%, 89%
HSV	97°, 13%, 95%
XYZ	73.5229, 83.6870, 73.2693
YIQ	232.3720, -1.6480, -14.1920

Conversions

Conversions Part 2

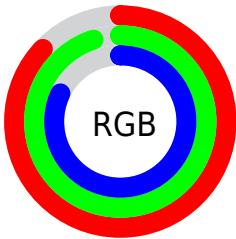
Format	Color
RYB	210, 242, 230
Decimal	14611154
CIELab	93.31, -12.20, 13.21
CIELCh	93, 17.982, 132.714
Yxy	83.6870, 0.3190, 0.3631
Android (android.graphics.Color)	4292801234 (0xFFDEF2D2)
YUV	232.3720, -11.0294, -9.0962
Hunter-Lab	91.4806, -16.6308, 16.5494

Details

The Yxy color **83.6870, 0.3190, 0.3631** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **69.3366, 0.3056, 0.2955**, and the grayscale version is **81.0834, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.6999, 0.3208, 0.3720** is the 20% darker color. If you saturate the color by 10%, you get **80.2948, 0.3235, 0.3917**, and if you desaturate by 10%, it is **87.4823, 0.3143, 0.3369**.

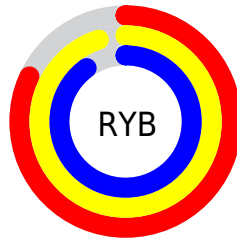
Distribution



Red (87%)

Green (95%)

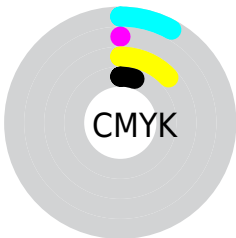
Blue (82%)



Red (82%)

Yellow (95%)

Blue (90%)

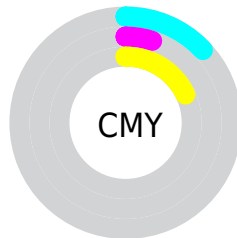


Cyan (8%)

Magenta (0%)

Yellow (13%)

Black (5%)



Cyan (13%)


Magenta (5%)

Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 83.6870, 0.3190, 0.3631 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 83.6870, 0.3190, 0.3631 by changing the saturation by 10% instead.

 83.6870, 0.3190,
0.3631

 83.6870, 0.3190,
0.3631


507.2733, 0.3163,
0.3474

 62.7571, 0.3196,
0.3667


138.5373, 0.3181,
0.3577

 45.6447, 0.3202,
0.3711


173.2263, 0.3178,
0.3555

 31.9655, 0.3210,
0.3766


213.2706, 0.3174,
0.3537

 21.3352, 0.3220,
0.3839

259.0544, 0.3172,
0.3521

 13.3692, 0.3232,
0.3937

310.9622, 0.3169,
0.3507

 7.6833, 0.3246,
0.4078

369.3784, 0.3167,

 3.8930, 0.3263,

0.3495

0.4296

434.6872, 0.3165,
0.3484

■ 1.6139, 0.3302,
0.4710

■ 0.3669, 0.1220,
0.8780

■ 83.6870, 0.3190,
0.3631

■ 83.6870, 0.3190,
0.3631

■ 80.2948, 0.3235,
0.3917

■ 87.4823, 0.3143,
0.3369

■ 77.2812, 0.3276,
0.4223

■ 91.4602, 0.3115,
0.3165

■ 74.6353, 0.3308,
0.4541

■ 91.9786, 0.3133,
0.3165

■ 72.3413, 0.3328,
0.4857

■ 70.3824, 0.3333,
0.5155

■ 68.7401, 0.3320,
0.5417

■ 67.3937, 0.3289,
0.5626

■ 66.3190, 0.3241,
0.5772

■ 65.7229, 0.3204,
0.5838

Harmonies

Analogous

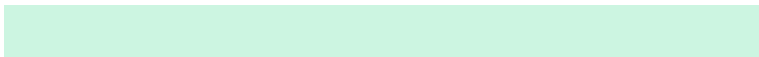
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.6870, 0.3383, 0.3651



83.6870, 0.3190, 0.3631



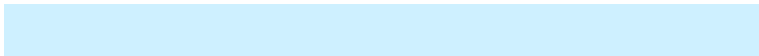
83.6870, 0.2984, 0.3510

Triad

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



83.6870, 0.3190, 0.3631



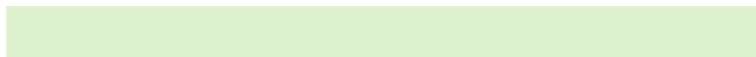
83.6870, 0.2756, 0.3000



83.6870, 0.3441, 0.3244

Complementary

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



83.6870, 0.3190, 0.3631



69.3366, 0.3056, 0.2955

Split Complementary

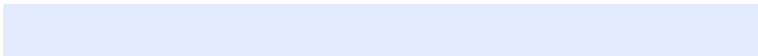
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



83.6870, 0.3264, 0.3084



83.6870, 0.3190, 0.3631



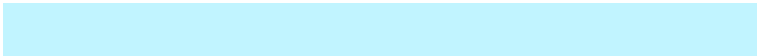
83.6870, 0.2869, 0.2944

Square

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



83.6870, 0.3190, 0.3631



83.6870, 0.2738, 0.3138



83.6870, 0.3054, 0.2976



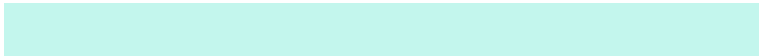
83.6870, 0.3532, 0.3421

Rectangle

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



83.6870, 0.3190, 0.3631



83.6870, 0.2868, 0.3390



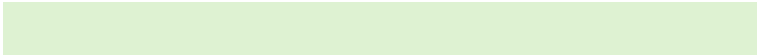
83.6870, 0.3054, 0.2976



83.6870, 0.3389, 0.3187

Sweetspot

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



83.6906, 0.3190, 0.3631



98.1732, 0.3146, 0.3389



79.9787, 0.3342, 0.3495



20.9413, 0.3150, 0.3408



0.0000, 0.0000, 0.0000



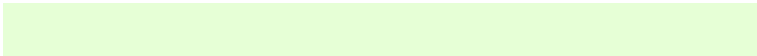
21.4041, 0.3127, 0.3290

Same Dimension

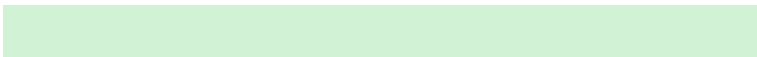
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.6906, 0.3190, 0.3631



93.1327, 0.3203, 0.3710



82.0474, 0.3089, 0.3597



17.9459, 0.3172, 0.3530



35.3818, 0.3215, 0.5829



2.9985, 0.3317, 0.5748

Inverse Universe

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



69.3366, 0.3056, 0.2955



73.8797, 0.3038, 0.2879



71.1721, 0.3168, 0.3001



15.7172, 0.3078, 0.3053



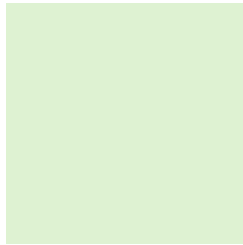
7.0588, 0.2286, 0.1033



0.6439, 0.2406, 0.1099

Previews

White Background



This preview shows how the Yxy color 83.6870, 0.3190, 0.3631 looks on a white background.

Color Contrast Check

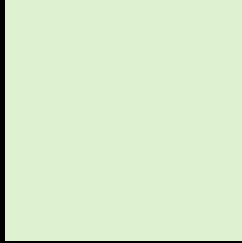
Large Text (above 18pt) WCAG AA × Fail

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 83.6870, 0.3190, 0.3631 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

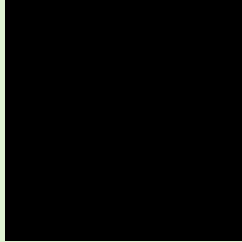
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

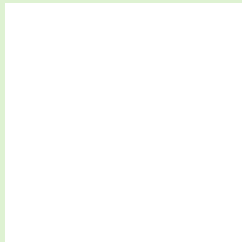
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 83.6870, 0.3190, 0.3631

Background



This preview shows how black text looks on a background with the Yxy color 83.6870, 0.3190, 0.3631.

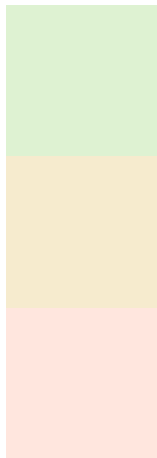


This preview shows how white text looks on a background with the Yxy color 83.6870, 0.3190, 0.3631.

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

83.6870, 0.3190, 0.3631

Protanopia

83.4657, 0.3389, 0.3587

Deuteranopia

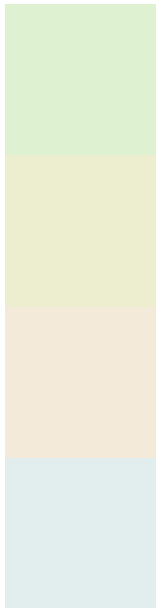
83.1276, 0.3354, 0.3370



Tritanopia

83.8047, 0.2973, 0.3107

Trichromacy



Original Color

83.6870, 0.3190, 0.3631

Protanomaly

83.6586, 0.3315, 0.3613

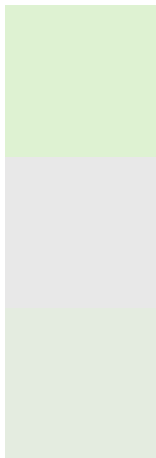
Deuteranomaly

82.9623, 0.3291, 0.3454

Tritanomaly

83.4909, 0.3049, 0.3290

Monochromacy



Original Color

83.6870, 0.3190, 0.3631

Achromatopsia

80.6952, 0.3127, 0.3290

Achromatomaly

81.8667, 0.3148, 0.3416

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.6870, 0.3190, 0.3631 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(222, 242, 210)` looks like.

```
.text, #text, p{  
    color:rgb(222, 242, 210)  
}
```

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(222, 242, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 242, 210) }
```

Border

The CSS property to change the border of an element to Yxy 83.6870, 0.3190, 0.3631 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(222, 242, 210) }
```

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

```
.border{ border-color:rgb(222, 242, 210) }
```

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

Here you see how a box with a 4 pixel rgb(222, 242, 210) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 242, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 242, 210);  
box-shadow:4px 4px 4px 4px rgb(222, 242,  
210) }
```


Background

The CSS property to change the background color of an element to Yxy 83.6870, 0.3190, 0.3631 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 242, 210) }
```

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

```
.background{ background-color: rgb(222,  
242, 210) }
```

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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