

Converting Colors

$Yxy(83.5216, 0.3217, 0.3630)$

Have a look what the booklet for
Yxy(83.5216, 0.3217, 0.3630)
contains.

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Color

Yxy(83.5216, 0.3217, 0.3630)

Conversions

Conversions Part 1

Format	Color
Hex	E1F1D1
RGB	225, 241, 209
RGB Percent	88%, 95%, 82%
CMY	0.1176, 0.0549, 0.1804
CMYK	0.07, 0.00, 0.13, 0.05
HSL	90°, 53%, 88%
HSV	90°, 13%, 95%
XYZ	74.0190, 83.5216, 72.5464
YIQ	232.5680, 0.7360, -13.3440

Conversions

Conversions Part 2

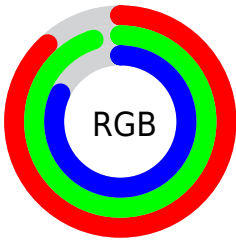
Format	Color
RYB	209, 241, 225
Decimal	14807505
CIELab	93.24, -10.86, 13.67
CIELCh	93, 17.455, 128.465
Yxy	83.5216, 0.3217, 0.3630
Android (android.graphics.Color)	4292997585 (0xFFE1F1D1)
YUV	232.5680, -11.6190, -6.6371
Hunter-Lab	91.3902, -15.3615, 16.9081

Details

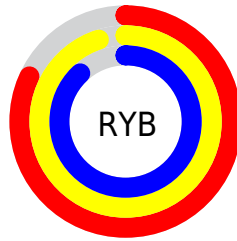
The Yxy color **83.5216, 0.3217, 0.3630** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **67.9634, 0.3027, 0.2950**, and the grayscale version is **81.2364, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.6105, 0.3235, 0.3703** is the 20% darker color. If you saturate the color by 10%, you get **80.5522, 0.3283, 0.3910**, and if you desaturate by 10%, it is **86.8154, 0.3149, 0.3370**.

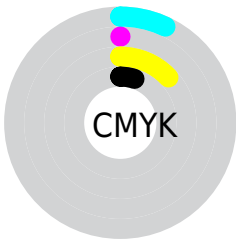
Distribution



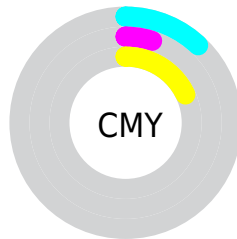
- Red (88%)
- Green (95%)
- Blue (82%)



- Red (82%)
- Yellow (95%)
- Blue (88%)



- Cyan (7%)
- Magenta (0%)
- Yellow (13%)
- Black (5%)





- Cyan (12%)
- Magenta (5%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 83.5216, 0.3217, 0.3630 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 83.5216, 0.3217, 0.3630 by changing the saturation by 10% instead.


 83.5216, 0.3217,
0.3630

 83.5216, 0.3217,
0.3630

506.7232, 0.3178,
0.3474

 62.6205, 0.3225,
0.3666

138.3058, 0.3204,
0.3576

 45.5343, 0.3235,
0.3709


172.9577, 0.3199,
0.3555

 31.8785, 0.3248,
0.3765


212.9620, 0.3194,
0.3537

 21.2687, 0.3263,
0.3837


258.7030, 0.3190,
0.3521

 13.3206, 0.3282,
0.3934

310.5653, 0.3187,
0.3507

 7.6497, 0.3307,
0.4073

368.9332, 0.3183,

 3.8716, 0.3340,

0.3495

0.4288

434.1910, 0.3180,
0.3483

■ 1.6020, 0.3413,
0.4705

■ 0.3589, 0.1750,
0.8250

■ 83.5216, 0.3217,
0.3630

■ 83.5216, 0.3217,
0.3630

■ 80.5522, 0.3283,
0.3910

■ 86.8154, 0.3149,
0.3370

■ 77.8854, 0.3344,
0.4205

■ 90.2898, 0.3095,
0.3154

■ 75.5132, 0.3396,
0.4507

■ 91.3915, 0.3133,
0.3156

■ 73.4233, 0.3435,
0.4804

■ 71.6021, 0.3457,
0.5081

■ 70.0346, 0.3457,
0.5324

■ 68.7041, 0.3435,
0.5517

■ 67.5906, 0.3392,
0.5654

■ 66.9452, 0.3355,
0.5718

Harmonies

Analogous

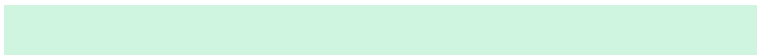
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.5216, 0.3399, 0.3635



83.5216, 0.3217, 0.3630



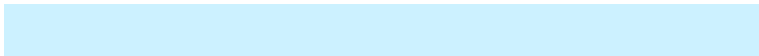
83.5216, 0.3016, 0.3525

Triad

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



83.5216, 0.3217, 0.3630



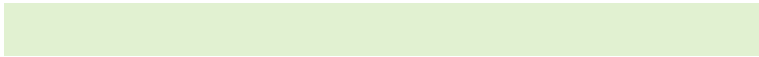
83.5216, 0.2758, 0.3023



83.5216, 0.3412, 0.3222

Complementary

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



83.5216, 0.3217, 0.3630



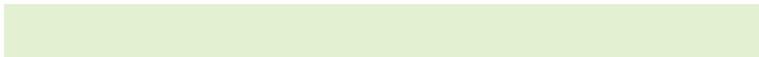
67.9634, 0.3027, 0.2950

Split Complementary

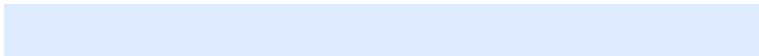
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



83.5216, 0.3232, 0.3071



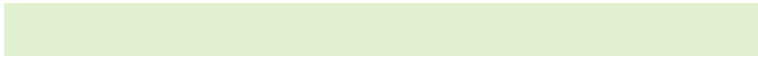
83.5216, 0.3217, 0.3630



83.5216, 0.2856, 0.2956

Square

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



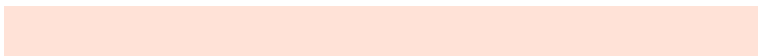
83.5216, 0.3217, 0.3630



83.5216, 0.2755, 0.3166



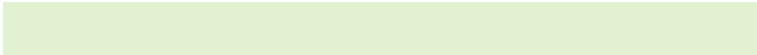
83.5216, 0.3028, 0.2975



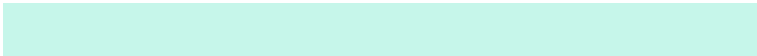
83.5216, 0.3514, 0.3393

Rectangle

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



83.5216, 0.3217, 0.3630



83.5216, 0.2897, 0.3414



83.5216, 0.3028, 0.2975



83.5216, 0.3358, 0.3168

Sweetspot

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



83.5252, 0.3217, 0.3630



98.4064, 0.3154, 0.3389



76.8704, 0.3349, 0.3452



21.0003, 0.3159, 0.3408



0.0000, 0.0000, 0.0000



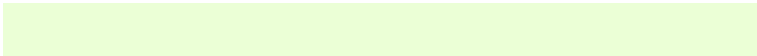
21.4041, 0.3127, 0.3290

Same Dimension

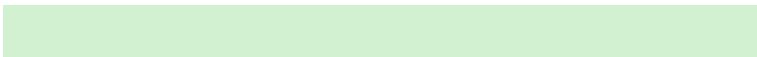
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.5252, 0.3217, 0.3630



93.9813, 0.3236, 0.3706



81.1500, 0.3114, 0.3641



18.0448, 0.3191, 0.3529



36.3826, 0.3367, 0.5709



3.0858, 0.3466, 0.5630

Inverse Universe

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



67.9634, 0.3027, 0.2950



73.0067, 0.3003, 0.2875



70.5638, 0.3139, 0.2962



15.6167, 0.3058, 0.3051



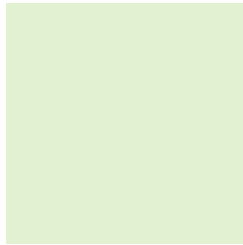
5.7064, 0.2023, 0.0888



0.5339, 0.2165, 0.0966

Previews

White Background



This preview shows how the Yxy color 83.5216, 0.3217, 0.3630 looks on a white background.

Color Contrast Check

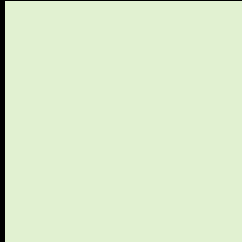
Large Text (above 18pt) WCAG AA × Fail

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 83.5216, 0.3217, 0.3630 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

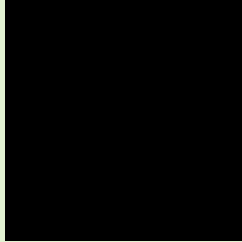
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

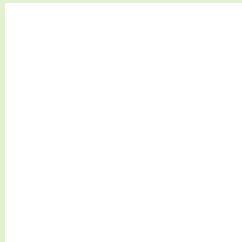
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 83.5216, 0.3217, 0.3630

Background



This preview shows how black text looks on a background with the Yxy color 83.5216, 0.3217, 0.3630.

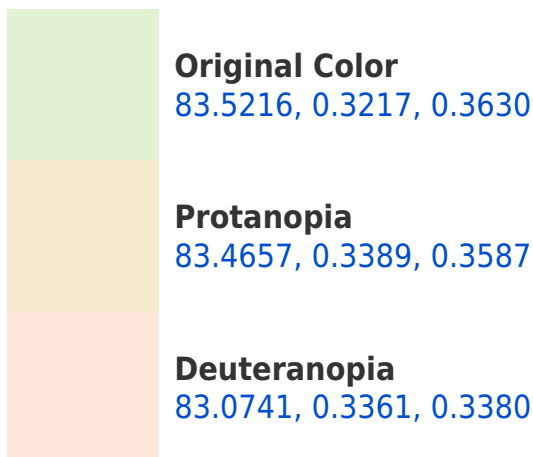


This preview shows how white text looks on a background with the Yxy color 83.5216, 0.3217, 0.3630.

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

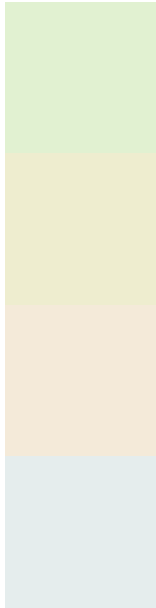




Tritanopia

83.6643, 0.2998, 0.3108

Trichromacy



Original Color

83.5216, 0.3217, 0.3630

Protanomaly

83.2505, 0.3323, 0.3602

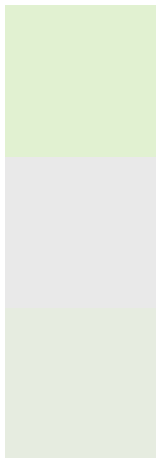
Deuteranomaly

83.0885, 0.3304, 0.3464

Tritanomaly

83.3408, 0.3074, 0.3290

Monochromacy



Original Color

83.5216, 0.3217, 0.3630

Achromatopsia

81.4847, 0.3127, 0.3290

Achromatomaly

82.1957, 0.3161, 0.3415

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.5216, 0.3217, 0.3630 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(225, 241, 209)` looks like.

```
.text, #text, p{  
    color:rgb(225, 241, 209)  
}
```

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(225, 241, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 241, 209) }
```

Border

The CSS property to change the border of an element to Yxy 83.5216, 0.3217, 0.3630 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(225, 241, 209) }
```

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

```
.border{ border-color:rgb(225, 241, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 241, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 241, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 241, 209);  
box-shadow:4px 4px 4px 4px rgb(225, 241,  
209) }
```


Background

The CSS property to change the background color of an element to Yxy 83.5216, 0.3217, 0.3630 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 241, 209) }
```

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

```
.background{ background-color: rgb(225,  
241, 209) }
```

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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