

# Converting Colors

$Yxy(82.8851, 0.3188, 0.3438)$

Have a look what the booklet for  
Yxy(82.8851, 0.3188, 0.3438)  
contains.

<b>Yxy(83.1659, 0.3194, 0.3446)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(83.1659, 0.3194, 0.3446)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E9EDDE
RGB	233, 237, 222
RGB Percent	91%, 93%, 87%
CMY	0.0861, 0.0706, 0.1294
CMYK	0.02, 0.00, 0.06, 0.07
HSL	76°, 29%, 90%
HSV	76°, 6%, 93%
XYZ	77.0841, 83.1659, 81.0904
YIQ	234.0940, 2.4310, -5.5130

# Conversions

## Conversions Part 2

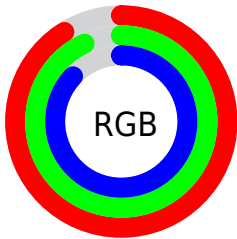
Format	Color
R <sub>Y</sub> B	222, 237, 226
Decimal	15330782
CIE Lab	93.09, -3.92, 6.79
CIE LCh	93, 7.846, 120.009
Yxy	83.1659, 0.3194, 0.3446
Android (android.graphics.Color)	4293520862 (0xFFE9EDDE)
YUV	234.0940, -5.9623, -0.9594
Hunter-Lab	91.1953, -8.7123, 11.1164

# Details

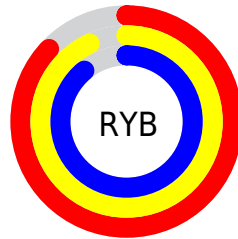
The Yxy color **83.1659, 0.3194, 0.3446** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **74.5105, 0.3058, 0.3132**, and the grayscale version is **82.4058, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.1849, 0.3205, 0.3478** is the 20% darker color. If you saturate the color by 10%, you get **80.9567, 0.3301, 0.3705**, and if you desaturate by 10%, it is **85.5980, 0.3089, 0.3203**.

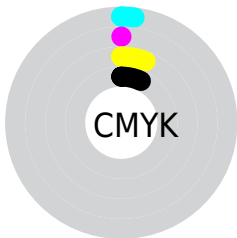
# Distribution



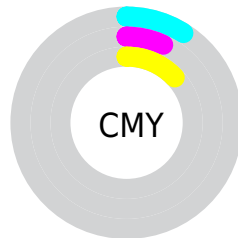
- Red (91%)
- Green (93%)
- Blue (87%)



- Red (87%)
- Yellow (93%)
- Blue (89%)



- Cyan (2%)
- Magenta (0%)
- Yellow (6%)
- Black (7%)



- Cyan (9%)
- Magenta (7%)
- Yellow (13%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 83.1659, 0.3194, 0.3446 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 83.1659, 0.3194, 0.3446 by changing the saturation by 10% instead.



83.1659, 0.3194,  
0.3446

83.1659, 0.3194,  
0.3446

505.5393, 0.3164,  
0.3375

62.3270, 0.3201,  
0.3462

137.8078, 0.3184,  
0.3422

45.2970, 0.3209,  
0.3482

172.3796, 0.3180,  
0.3412

31.6914, 0.3219,  
0.3506

212.2978, 0.3176,  
0.3404

21.1259, 0.3232,  
0.3538

257.9469, 0.3173,  
0.3397

13.2161, 0.3249,  
0.3581

309.7112, 0.3171,  
0.3390

7.5775, 0.3273,  
0.3642

367.9751, 0.3168,

3.8258, 0.3308,

0.3385

0.3735

433.1230, 0.3166,  
0.3380

■ 1.5766, 0.3365,  
0.3895

■ 0.3418, 0.4013,  
0.5987

■ 83.1659, 0.3194,  
0.3446

■ 83.1659, 0.3194,  
0.3446

■ 80.9567, 0.3301,  
0.3705

■ 85.5980, 0.3089,  
0.3203

■ 78.9516, 0.3407,  
0.3974

■ 87.2875, 0.3073,  
0.3113

■ 77.1462, 0.3507,  
0.4248

■ 88.4297, 0.3114,  
0.3116

■ 75.5313, 0.3598,  
0.4516

■ 89.0439, 0.3135,  
0.3117

■ 74.0972, 0.3673,  
0.4767

■ 72.8333, 0.3727,  
0.4989

■ 71.7274, 0.3757,  
0.5172

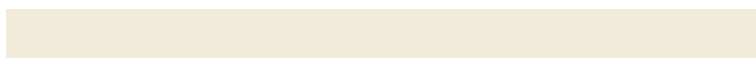
■ 70.7654, 0.3761,  
0.5308

■ 69.9299, 0.3740,  
0.5396

# Harmonies

## Analogous

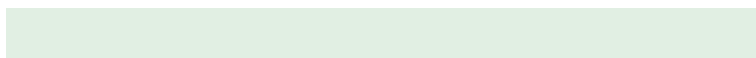
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.1659, 0.3268, 0.3438



83.1659, 0.3194, 0.3446



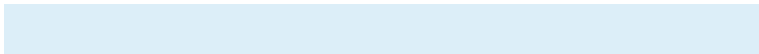
83.1659, 0.3103, 0.3411

# Triad

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



83.1659, 0.3194, 0.3446



83.1659, 0.2954, 0.3187



83.1659, 0.3235, 0.3239

# Complementary

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



83.1659, 0.3194, 0.3446



74.5105, 0.3058, 0.3132

# Split Complementary

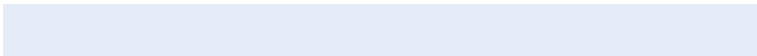
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



83.1659, 0.3149, 0.3174



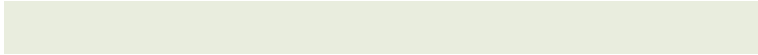
83.1659, 0.3194, 0.3446



83.1659, 0.2988, 0.3143

# Square

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



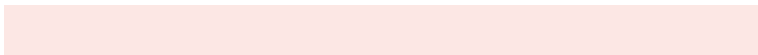
83.1659, 0.3194, 0.3446



83.1659, 0.2965, 0.3259



83.1659, 0.3059, 0.3139



83.1659, 0.3292, 0.3317



# Rectangle

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



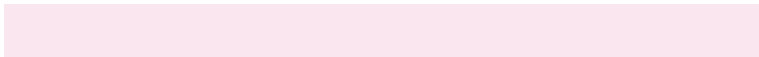
83.1659, 0.3194, 0.3446



83.1659, 0.3045, 0.3367



83.1659, 0.3059, 0.3139



83.1659, 0.3209, 0.3215

# Sweetspot

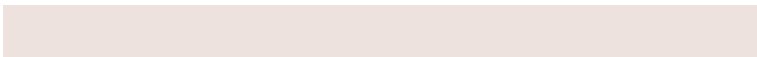
The Sweet Spot groups the original color and five complimentary colors.



83.1695, 0.3194, 0.3446



99.4225, 0.3148, 0.3339



77.5293, 0.3231, 0.3329



21.2866, 0.3147, 0.3336



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

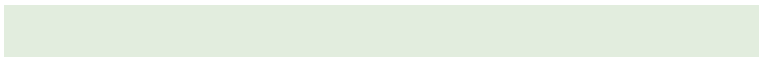
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.1695, 0.3194, 0.3446



97.7524, 0.3212, 0.3489



81.9645, 0.3145, 0.3448



17.4163, 0.3227, 0.3526



38.0931, 0.3736, 0.5415



3.0374, 0.3802, 0.5363



# Inverse Universe

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



74.5105, 0.3058, 0.3132



84.9263, 0.3038, 0.3087



75.7168, 0.3108, 0.3134



14.7403, 0.3021, 0.3049



3.9564, 0.1660, 0.0688

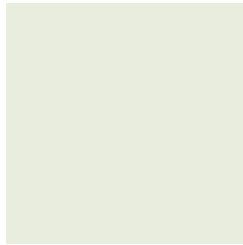


0.3561, 0.1800, 0.0765



# Previews

## White Background



This preview shows how the Yxy color 83.1659, 0.3194, 0.3446 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 83.1659, 0.3194, 0.3446 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

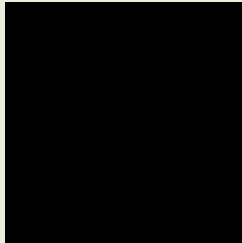
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

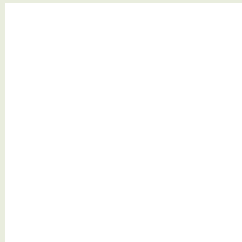
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 83.1659, 0.3194, 0.3446**

## **Background**



This preview shows how black text looks on a background with the Yxy color 83.1659, 0.3194, 0.3446.

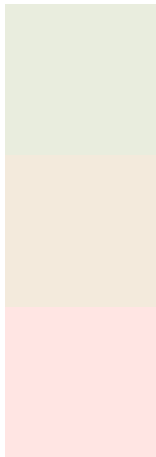


This preview shows how white text looks on a background with the Yxy color 83.1659, 0.3194, 0.3446.

# 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

83.1659, 0.3194, 0.3446

### Protanopia

83.0676, 0.3278, 0.3433

### Deuteranopia

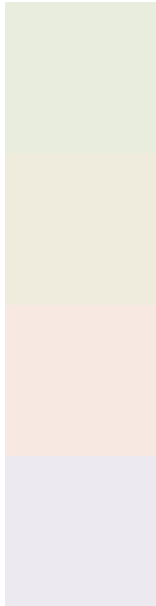
82.8447, 0.3322, 0.3310



## Tritanopia

83.2474, 0.3043, 0.3109

# Trichromacy



## Original Color

83.1659, 0.3194, 0.3446

## Protanomaly

82.9878, 0.3243, 0.3434

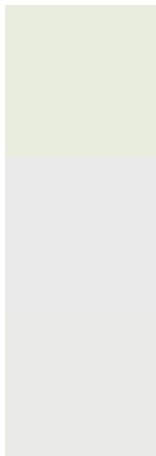
## Deuteranomaly

82.9236, 0.3275, 0.3361

## Tritanomaly

82.9698, 0.3103, 0.3229

# Monochromacy



## Original Color

83.1659, 0.3194, 0.3446

## Achromatopsia

82.2786, 0.3127, 0.3290

## Achromatomaly

82.6223, 0.3152, 0.3342

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 83.1659, 0.3194, 0.3446 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(233, 237, 222)` looks like.

```
.text, #text, p{  
    color:rgb(233, 237, 222)  
}
```

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(233, 237, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 237, 222) }
```

## Border

The CSS property to change the border of an element to Yxy 83.1659, 0.3194, 0.3446 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(233, 237, 222) }
```

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

```
.border{ border-color:rgb(233, 237, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 237, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 237, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 237, 222);  
box-shadow:4px 4px 4px 4px rgb(233, 237,  
222) }
```



# Background

The CSS property to change the background color of an element to Yxy 83.1659, 0.3194, 0.3446 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 237, 222) }
```

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

```
.background{ background-color: rgb(233,  
237, 222) }
```

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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