

Converting Colors

Yxy(83.2935, 0.3163, 0.3344)

Have a look what the booklet for
Yxy(83.2935, 0.3163, 0.3344)
contains.

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Color

Yxy(83.5369, 0.3164, 0.3352)

Conversions

Conversions Part 1

Format	Color
Hex	ECECE6
RGB	236, 236, 230
RGB Percent	93%, 93%, 90%
CMY	0.0748, 0.0744, 0.0981
CMYK	0.00, 0.00, 0.03, 0.07
HSL	61°, 14%, 91%
HSV	61°, 3%, 93%
XYZ	78.8517, 83.5369, 86.8265
YIQ	235.3160, 1.9260, -1.8660

Conversions

Conversions Part 2

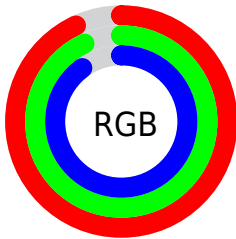
Format	Color
RYB	230, 236, 230
Decimal	15527142
CIELab	93.25, -1.09, 2.90
CIELCh	93, 3.092, 110.543
Yxy	83.5369, 0.3164, 0.3352
Android (android.graphics.Color)	4293717222 (0xFFECECE6)
YUV	235.3160, -2.6208, 0.5999
Hunter-Lab	91.3985, -5.9513, 7.6548

Details

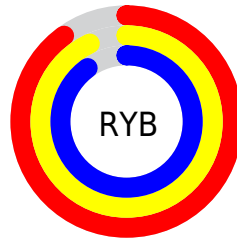
The Yxy color **83.5369, 0.3164, 0.3352** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **79.4875, 0.3090, 0.3227**, and the grayscale version is **83.3450, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.4410, 0.3167, 0.3356** is the 20% darker color. If you saturate the color by 10%, you get **82.2361, 0.3311, 0.3601**, and if you desaturate by 10%, it is **85.0246, 0.3022, 0.3114**.

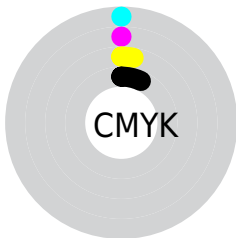
Distribution



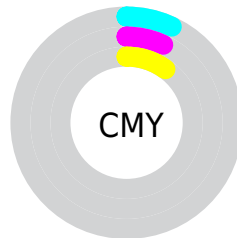
- Red (93%)
- Green (93%)
- Blue (90%)



- Red (90%)
- Yellow (93%)
- Blue (90%)



- Cyan (0%)
- Magenta (0%)
- Yellow (3%)
- Black (7%)



- Cyan (7%)
- Magenta (7%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 83.5369, 0.3164, 0.3352 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 83.5369, 0.3164, 0.3352 by changing the saturation by 10% instead.

83.5369, 0.3164,
0.3352

83.5369, 0.3164,
0.3352

506.7741, 0.3147,
0.3324

62.6332, 0.3168,
0.3358

138.3272, 0.3158,
0.3342

45.5445, 0.3172,
0.3366

172.9825, 0.3156,
0.3339

31.8865, 0.3178,
0.3376

212.9905, 0.3154,
0.3335

21.2748, 0.3185,
0.3388

258.7356, 0.3152,
0.3333

13.3251, 0.3195,
0.3405

310.6020, 0.3151,
0.3330

7.6528, 0.3208,
0.3428

368.9744, 0.3150,

3.8736, 0.3229,

0.3328

0.3464

434.2369, 0.3148,
0.3326

■ 1.6031, 0.3263,
0.3524

■ 0.3597, 0.3649,
0.4162

■ 83.5369, 0.3164,
0.3352

■ 83.5369, 0.3164,
0.3352

■ 82.2361, 0.3311,
0.3601

■ 85.0246, 0.3022,
0.3114

■ 81.1043, 0.3461,
0.3854


■ 85.1816, 0.3017,
0.3100

■ 80.1374, 0.3609,
0.4105


■ 85.2488, 0.3019,
0.3101

■ 79.3271, 0.3749,
0.4343

■ 85.3162, 0.3022,
0.3101


 78.6645, 0.3875,
0.4560

 85.3837, 0.3024,
0.3101

 78.1399, 0.3983,
0.4746

 85.4514, 0.3027,
0.3101


 77.7422, 0.4066,
0.4892

 85.5192, 0.3029,
0.3101

 77.4587, 0.4123,
0.4994

 85.5872, 0.3032,
0.3101

 77.2740, 0.4154,
0.5053

 85.6553, 0.3034,
0.3101

Harmonies

Analogous

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



83.5369, 0.3189, 0.3344



83.5369, 0.3164, 0.3352



83.5369, 0.3129, 0.3343

Triad

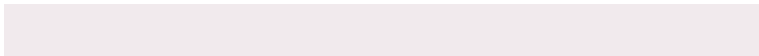
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.5369, 0.3164, 0.3352



83.5369, 0.3058, 0.3258



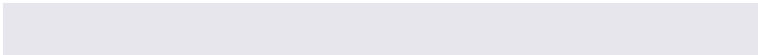
83.5369, 0.3160, 0.3261

Complementary

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



83.5369, 0.3164, 0.3352



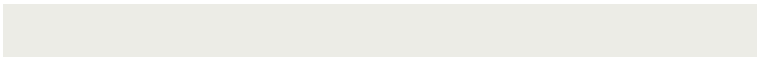
79.4875, 0.3090, 0.3227

Split Complementary

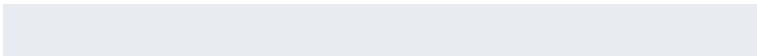
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



83.5369, 0.3125, 0.3238



83.5369, 0.3164, 0.3352



83.5369, 0.3066, 0.3236

Square

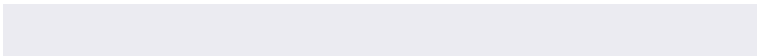
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



83.5369, 0.3164, 0.3352



83.5369, 0.3068, 0.3289



83.5369, 0.3090, 0.3229



83.5369, 0.3186, 0.3291

Rectangle

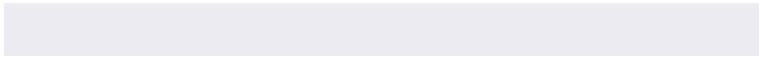
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



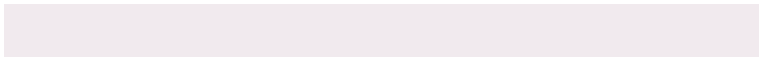
83.5369, 0.3164, 0.3352



83.5369, 0.3106, 0.3329



83.5369, 0.3090, 0.3229



83.5369, 0.3149, 0.3252

Sweetspot

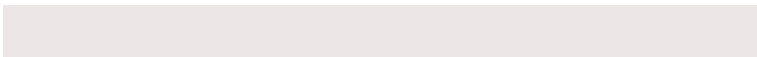
The Sweet Spot groups the original color and five complimentary colors.



83.5405, 0.3164, 0.3352



99.8288, 0.3142, 0.3314



80.1416, 0.3169, 0.3290



21.3693, 0.3141, 0.3313



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

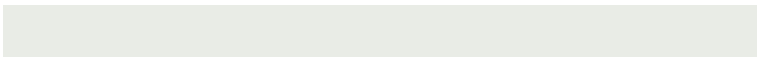
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.5405, 0.3164, 0.3352



99.4930, 0.3171, 0.3363



83.0455, 0.3144, 0.3352



17.7734, 0.3182, 0.3382



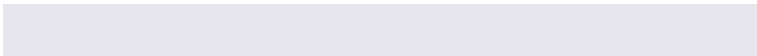
42.5393, 0.4165, 0.5075



3.3444, 0.4169, 0.5072

Inverse Universe

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



79.4875, 0.3090, 0.3227



93.8167, 0.3083, 0.3216



79.9744, 0.3110, 0.3228



16.5043, 0.3071, 0.3196



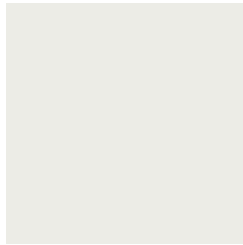
3.3576, 0.1505, 0.0603



0.2679, 0.1520, 0.0611

Previews

White Background



This preview shows how the Yxy color 83.5369, 0.3164, 0.3352 looks on a white background.

Color Contrast Check

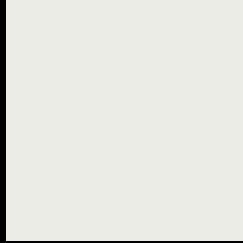
Large Text (above 18pt) WCAG AA × Fail

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 83.5369, 0.3164, 0.3352 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

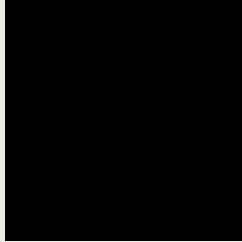
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

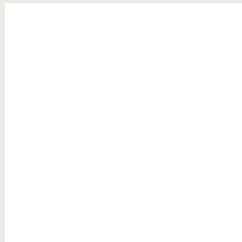
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 83.5369, 0.3164, 0.3352

Background



This preview shows how black text looks on a background with the Yxy color 83.5369, 0.3164, 0.3352.

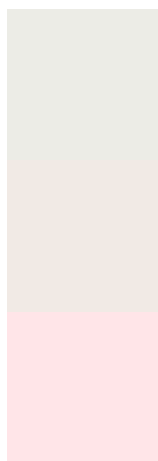


This preview shows how white text looks on a background with the Yxy color 83.5369, 0.3164, 0.3352.

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

83.5369, 0.3164, 0.3352

Protanopia

83.2036, 0.3206, 0.3341

Deuteranopia

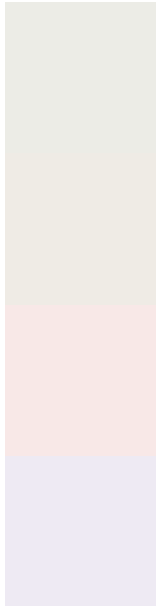
83.1248, 0.3288, 0.3261



Tritanopia

83.5936, 0.3056, 0.3110

Trichromacy



Original Color

83.5369, 0.3164, 0.3352

Protanomaly

83.4245, 0.3192, 0.3352

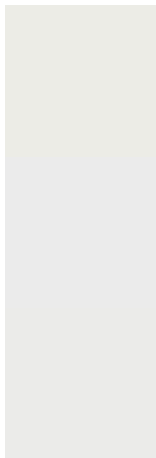
Deuteranomaly

83.4392, 0.3243, 0.3300

Tritanomaly

83.4938, 0.3098, 0.3199

Monochromacy



Original Color

83.5369, 0.3164, 0.3352

Achromatopsia

83.0770, 0.3127, 0.3290

Achromatomaly

82.9620, 0.3140, 0.3311

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.5369, 0.3164, 0.3352 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(236, 236, 230)` looks like.

```
.text, #text, p{  
    color:rgb(236, 236, 230)  
}
```

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(236, 236, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 236, 230) }
```

Border

The CSS property to change the border of an element to Yxy 83.5369, 0.3164, 0.3352 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(236, 236, 230) }
```

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

```
.border{ border-color:rgb(236, 236, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 236, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 236, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 236, 230);  
box-shadow:4px 4px 4px 4px rgb(236, 236,  
230) }
```


Background

The CSS property to change the background color of an element to Yxy 83.5369, 0.3164, 0.3352 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 236, 230) }
```

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

```
.background{ background-color: rgb(236,  
236, 230) }
```

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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