

Converting Colors

$Yxy(83.5108, 0.3107, 0.3195)$

Have a look what the booklet for
Yxy(83.5108, 0.3107, 0.3195)
contains.

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Color

Yxy(83.6674, 0.3105, 0.3199)

Conversions

Conversions Part 1

Format	Color
Hex	EFEAF3
RGB	239, 234, 243
RGB Percent	94%, 92%, 95%
CMY	0.0626, 0.0824, 0.0470
CMYK	0.02, 0.04, 0.00, 0.05
HSL	274°, 27%, 94%
HSV	274°, 4%, 95%
XYZ	81.2089, 83.6674, 96.6661
YIQ	236.5210, 0.0910, 3.8590

Conversions

Conversions Part 2

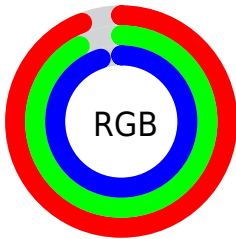
Format	Color
R_{YB}	239, 234, 243
Decimal	15723251
CIE _{Lab}	93.31, 3.31, -3.76
CIE _{LCh}	93, 5.009, 311.298
Y _{xy}	83.6674, 0.3105, 0.3199
Android (android.graphics.Color)	4293913331 (0xFFEFEAF3)
Y _{UV}	236.5210, 3.1941, 2.1741
Hunter-Lab	91.4699, -1.5962, 1.3708

Details

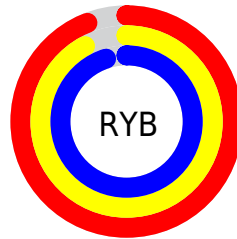
The Yxy color **83.6674, 0.3105, 0.3199** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **88.2126, 0.3149, 0.3381**, and the grayscale version is **84.2827, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.4959, 0.3098, 0.3173** is the 20% darker color. If you saturate the color by 10%, you get **68.9677, 0.3038, 0.2940**, and if you desaturate by 10%, it is **98.2632, 0.3164, 0.3406**.

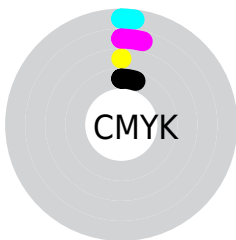
Distribution



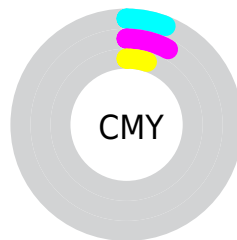
- Red (94%)
- Green (92%)
- Blue (95%)



- Red (94%)
- Yellow (92%)
- Blue (95%)



- Cyan (2%)
- Magenta (4%)
- Yellow (0%)
- Black (5%)



- Cyan (6%)
- Magenta (8%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 83.6674, 0.3105, 0.3199 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 83.6674, 0.3105, 0.3199 by changing the saturation by 10% instead.


 83.6674, 0.3105,
0.3199

 83.6674, 0.3105,
0.3199


507.2081, 0.3115,
0.3240

 62.7409, 0.3103,
0.3190

138.5098, 0.3108,
0.3213

 45.6316, 0.3100,
0.3179


173.1945, 0.3110,
0.3218

 31.9552, 0.3096,
0.3165


213.2340, 0.3111,
0.3223

 21.3273, 0.3092,
0.3147

259.0128, 0.3112,
0.3227

 13.3635, 0.3086,
0.3124

310.9152, 0.3113,
0.3231

 7.6793, 0.3077,
0.3091

369.3256, 0.3114,

 3.8904, 0.3064,

0.3234

0.3042

434.6284, 0.3115,
0.3237

■ 1.6125, 0.3041,
0.2961

■ 0.3660, 0.2943,
0.2513

■ 83.6674, 0.3105,
0.3199

■ 83.6674, 0.3105,
0.3199

■ 68.9677, 0.3038,
0.2940

■ 98.2632, 0.3164,
0.3406

■ 56.1931, 0.2959,
0.2663

■ 99.2514, 0.3197,
0.3405

■ 45.2631, 0.2869,
0.2375

■ 36.0877, 0.2767,
0.2083

■ 28.5689, 0.2657,
0.1798

■ 22.5987, 0.2539,
0.1536

■ 18.0559, 0.2420,
0.1309

■ 14.8004, 0.2304,
0.1129

■ 12.6621, 0.2195,
0.1004

Harmonies

Analogous

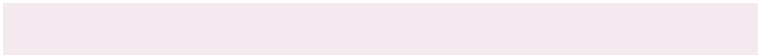
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.6674, 0.3053, 0.3192



83.6674, 0.3105, 0.3199



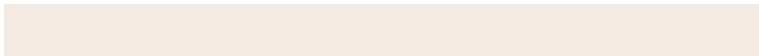
83.6674, 0.3163, 0.3230

Triad

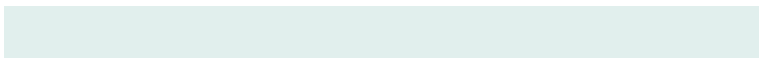
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.6674, 0.3105, 0.3199



83.6674, 0.3234, 0.3368



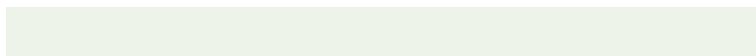
83.6674, 0.3043, 0.3304

Complementary

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



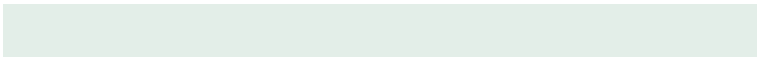
83.6674, 0.3105, 0.3199



88.2126, 0.3149, 0.3381

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.



83.6674, 0.3091, 0.3352



83.6674, 0.3105, 0.3199



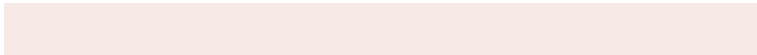
83.6674, 0.3201, 0.3389

Square

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



83.6674, 0.3105, 0.3199



83.6674, 0.3238, 0.3327



83.6674, 0.3149, 0.3384



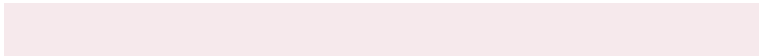
83.6674, 0.3017, 0.3252

Rectangle

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



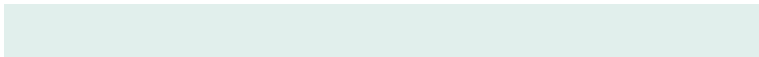
83.6674, 0.3105, 0.3199



83.6674, 0.3198, 0.3259



83.6674, 0.3149, 0.3384



83.6674, 0.3057, 0.3321

Sweetspot

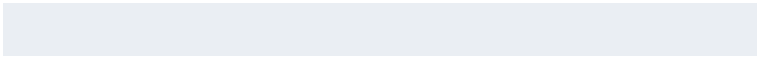
The Sweet Spot groups the original color and five complimentary colors.



83.6710, 0.3105, 0.3199



98.1720, 0.3121, 0.3266



85.1391, 0.3070, 0.3240



21.0321, 0.3122, 0.3267



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.



83.6710, 0.3105, 0.3199



92.8243, 0.3103, 0.3192



84.3404, 0.3134, 0.3204



17.9431, 0.3099, 0.3173



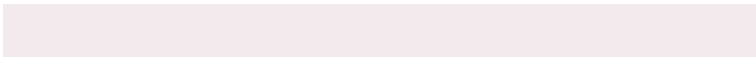
6.5193, 0.2147, 0.0956



0.6338, 0.2274, 0.1026

Inverse Universe

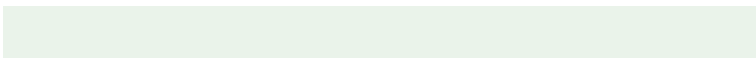
The Inverse Universe completely reimagines the original color for something new.



84.0663, 0.3163, 0.3250



93.3008, 0.3166, 0.3247



87.5611, 0.3120, 0.3377



18.0534, 0.3174, 0.3239



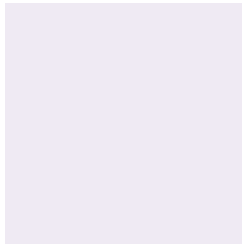
11.0631, 0.5218, 0.2648



0.9926, 0.4904, 0.2475

Previews

White Background



This preview shows how the Yxy color 83.6674, 0.3105, 0.3199 looks on a white background.

Color Contrast Check

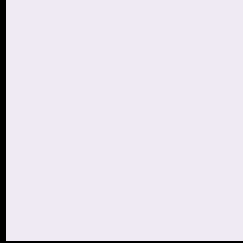
Large Text (above 18pt) WCAG AA × Fail

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 83.6674, 0.3105, 0.3199 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

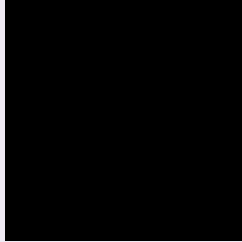
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

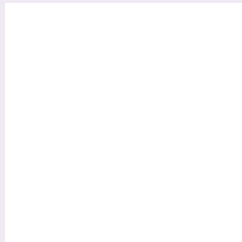
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 83.6674, 0.3105, 0.3199

Background



This preview shows how black text looks on a background with the Yxy color 83.6674, 0.3105, 0.3199.

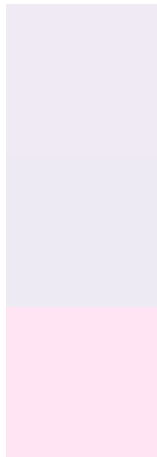


This preview shows how white text looks on a background with the Yxy color 83.6674, 0.3105, 0.3199.

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

83.6674, 0.3105, 0.3199

Protanopia

83.4938, 0.3098, 0.3199

Deuteranopia

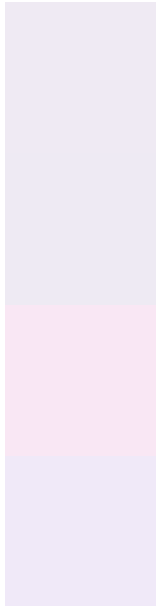
83.8303, 0.3209, 0.3144



Tritanopia

83.7681, 0.3063, 0.3110

Trichromacy



Original Color

83.6674, 0.3105, 0.3199

Protanomaly

83.4938, 0.3098, 0.3199

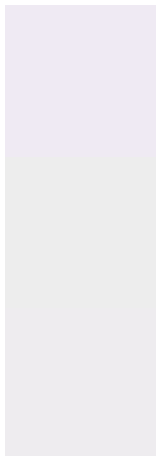
Deuteranomaly

83.8232, 0.3167, 0.3162

Tritanomaly

83.5804, 0.3081, 0.3140

Monochromacy



Original Color

83.6674, 0.3105, 0.3199

Achromatopsia

84.6873, 0.3127, 0.3290

Achromatomaly

84.4000, 0.3122, 0.3260

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.6674, 0.3105, 0.3199 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(239, 234, 243)` looks like.

```
.text, #text, p{  
    color:rgb(239, 234, 243)  
}
```

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(239, 234, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 234, 243) }
```

Border

The CSS property to change the border of an element to Yxy 83.6674, 0.3105, 0.3199 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(239, 234, 243) }
```

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

```
.border{ border-color:rgb(239, 234, 243) }
```

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

Here you see how a box with a 4 pixel rgb(239, 234, 243) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 234, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 234, 243);  
box-shadow:4px 4px 4px 4px rgb(239, 234,  
243) }
```


Background

The CSS property to change the background color of an element to Yxy 83.6674, 0.3105, 0.3199 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 234, 243) }
```

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

```
.background{ background-color: rgb(239,  
234, 243) }
```

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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