

Converting Colors

$Yxy(83.2702, 0.3073, 0.3178)$

Have a look what the booklet for
Yxy(83.2702, 0.3073, 0.3178)
contains.

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Color

Yxy(83.2711, 0.3073, 0.3178)

Conversions

Conversions Part 1

Format	Color
Hex	ECEAF5
RGB	236, 234, 245
RGB Percent	93%, 92%, 96%
CMY	0.0742, 0.0824, 0.0391
CMYK	0.04, 0.05, 0.00, 0.04
HSL	251°, 36%, 94%
HSV	251°, 5%, 96%
XYZ	80.5199, 83.2711, 98.2326
YIQ	235.8520, -2.3390, 3.8450

Conversions

Conversions Part 2

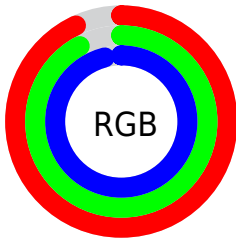
Format	Color
R _{YB}	236, 234, 245
Decimal	15526645
CIE Lab	93.13, 2.70, -5.09
CIE LCh	93, 5.767, 297.969
Yxy	83.2711, 0.3073, 0.3178
Android (android.graphics.Color)	4293716725 (0xFFECEAF5)
YUV	235.8520, 4.5100, 0.1298
Hunter-Lab	91.2530, -2.1879, 0.0522

Details

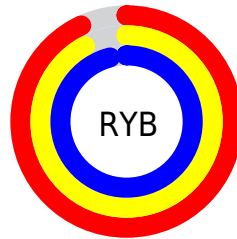
The Yxy color $83.2711, 0.3073, 0.3178$ is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be $90.2976, 0.3180, 0.3401$, and the grayscale version is $83.7394, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $45.2182, 0.3057, 0.3147$ is the 20% darker color. If you saturate the color by 10%, you get $67.0674, 0.2940, 0.2908$, and if you desaturate by 10%, it is $99.3740, 0.3185, 0.3386$.

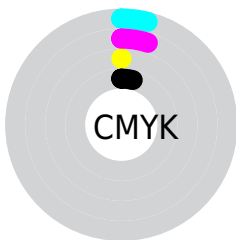
Distribution



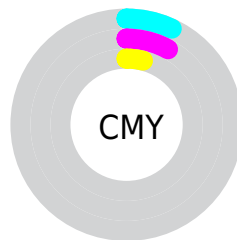
- Red (93%)
- Green (92%)
- Blue (96%)



- Red (93%)
- Yellow (92%)
- Blue (96%)



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



- Cyan (7%)
- Magenta (8%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 83.2711, 0.3073, 0.3178 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 83.2711, 0.3073, 0.3178 by changing the saturation by 10% instead.

83.2711, 0.3073,
0.3178

83.2711, 0.3073,
0.3178

505.8896, 0.3098,
0.3228

62.4138, 0.3067,
0.3167

137.9551, 0.3081,
0.3195

45.3672, 0.3061,
0.3153

172.5506, 0.3085,
0.3202

31.7467, 0.3052,
0.3136

212.4943, 0.3088,
0.3208

21.1681, 0.3041,
0.3114

258.1706, 0.3090,
0.3213

13.2469, 0.3027,
0.3085

309.9639, 0.3092,
0.3218

7.5988, 0.3006,
0.3044

368.2585, 0.3094,

3.8393, 0.2975,

0.3222

0.2984

433.4390, 0.3096,
0.3225

■ 1.5841, 0.2922,
0.2883

■ 0.3468, 0.2680,
0.2349

■ 83.2711, 0.3073,
0.3178

■ 83.2711, 0.3073,
0.3178

■ 67.0674, 0.2940,
0.2908

■ 99.3740, 0.3185,
0.3386

■ 53.0751, 0.2787,
0.2609

■ 41.2008, 0.2617,
0.2286

■ 31.3402, 0.2433,
0.1948

■ 23.3801, 0.2242,
0.1611

■ 17.1960, 0.2053,
0.1296

■ 12.6483, 0.1879,
0.1024

■ 9.5758, 0.1733,
0.0818

■ 7.7832, 0.1624,
0.0688

Harmonies

Analogous

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



83.2711, 0.3022, 0.3183



83.2711, 0.3073, 0.3178



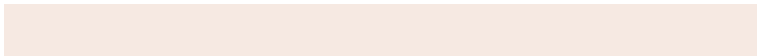
83.2711, 0.3139, 0.3202

Triad

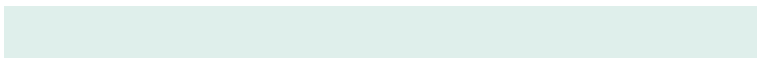
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.2711, 0.3073, 0.3178



83.2711, 0.3257, 0.3361



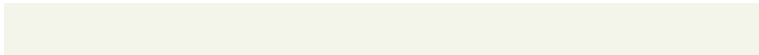
83.2711, 0.3052, 0.3332

Complementary

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



83.2711, 0.3073, 0.3178



90.2976, 0.3180, 0.3401

Split Complementary

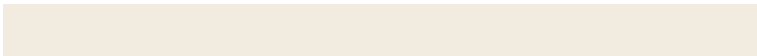
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



83.2711, 0.3114, 0.3381



83.2711, 0.3073, 0.3178



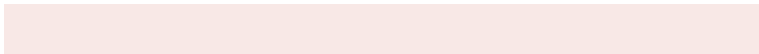
83.2711, 0.3233, 0.3397

Square

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



83.2711, 0.3073, 0.3178



83.2711, 0.3246, 0.3307



83.2711, 0.3181, 0.3405



83.2711, 0.3010, 0.3272

Rectangle

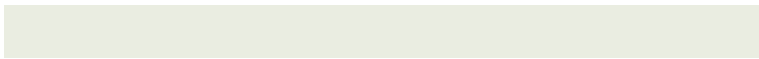
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



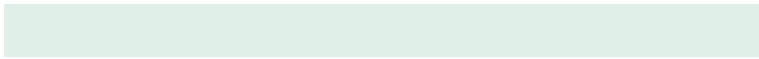
83.2711, 0.3073, 0.3178



83.2711, 0.3183, 0.3231



83.2711, 0.3181, 0.3405



83.2711, 0.3071, 0.3350

Sweetspot

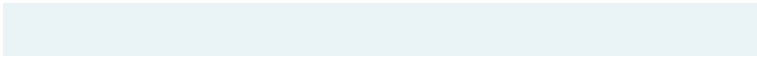
The Sweet Spot groups the original color and five complimentary colors.



83.2747, 0.3073, 0.3178



97.9946, 0.3115, 0.3266



88.1828, 0.3057, 0.3269



20.9960, 0.3116, 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.



83.2747, 0.3073, 0.3178



90.2289, 0.3067, 0.3165



84.2204, 0.3109, 0.3179



17.4338, 0.3058, 0.3148



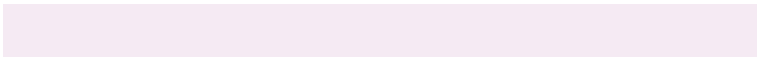
3.9183, 0.1591, 0.0650



0.3846, 0.1699, 0.0709

Inverse Universe

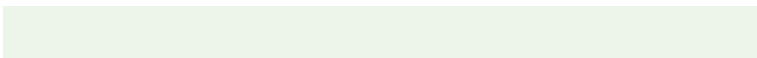
The Inverse Universe completely reimagines the original color for something new.



84.7156, 0.3145, 0.3201



91.9774, 0.3148, 0.3191



89.3446, 0.3145, 0.3402



17.8215, 0.3150, 0.3177



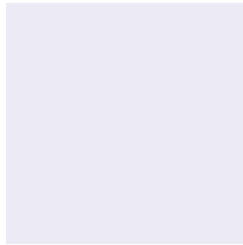
12.6797, 0.3760, 0.1845



1.1281, 0.3678, 0.1800

Previews

White Background



This preview shows how the Yxy color 83.2711, 0.3073, 0.3178 looks on a white background.

Color Contrast Check

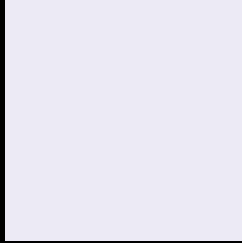
Large Text (above 18pt) WCAG AA × Fail

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 83.2711, 0.3073, 0.3178 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

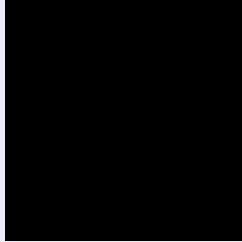
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

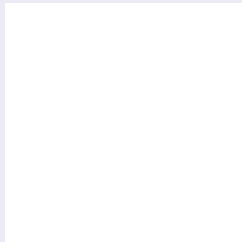
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 83.2711, 0.3073, 0.3178

Background



This preview shows how black text looks on a background with the Yxy color 83.2711, 0.3073, 0.3178.

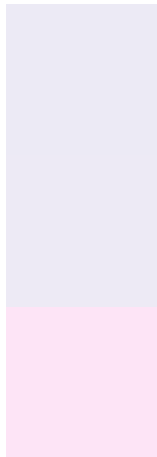


This preview shows how white text looks on a background with the Yxy color 83.2711, 0.3073, 0.3178.

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

83.2711, 0.3073, 0.3178

Protanopia

83.4427, 0.3079, 0.3179

Deuteranopia

83.0233, 0.3183, 0.3114



Tritanopia

83.2474, 0.3043, 0.3109

Trichromacy



Original Color

83.2711, 0.3073, 0.3178

Protanomaly

83.4427, 0.3079, 0.3179

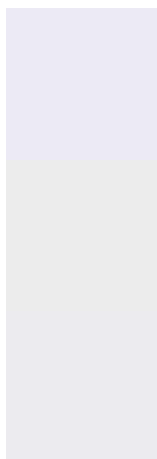
Deuteranomaly

83.0216, 0.3141, 0.3131

Tritanomaly

83.1219, 0.3055, 0.3129

Monochromacy



Original Color

83.2711, 0.3073, 0.3178

Achromatopsia

83.8799, 0.3127, 0.3290

Achromatomaly

83.4815, 0.3109, 0.3249

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.2711, 0.3073, 0.3178 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, 234, 245)` looks like.

```
.text, #text, p{  
    color:rgb(236, 234, 245)  
}
```

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, 234, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 234, 245) }
```

Border

The CSS property to change the border of an element to Yxy 83.2711, 0.3073, 0.3178 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, 234, 245) }
```

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

```
.border{ border-color:rgb(236, 234, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 234, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 234, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 234, 245);  
box-shadow:4px 4px 4px 4px rgb(236, 234,  
245) }
```


Background

The CSS property to change the background color of an element to Yxy 83.2711, 0.3073, 0.3178 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 234, 245) }
```

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

```
.background{ background-color: rgb(236,  
234, 245) }
```

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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