

Converting Colors

Yxy(83.7294, 0.3074, 0.3159)

Have a look what the booklet for
Yxy(83.7294, 0.3074, 0.3159)
contains.

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Color

Yxy(83.7382, 0.3074, 0.3159)

Conversions

Conversions Part 1

Format	Color
Hex	EEEEAF7
RGB	238, 234, 247
RGB Percent	93%, 92%, 97%
CMY	0.0664, 0.0824, 0.0314
CMYK	0.04, 0.05, 0.00, 0.03
HSL	259°, 45%, 94%
HSV	259°, 5%, 97%
XYZ	81.4850, 83.7382, 99.8550
YIQ	236.6780, -1.7890, 4.8910

Conversions

Conversions Part 2

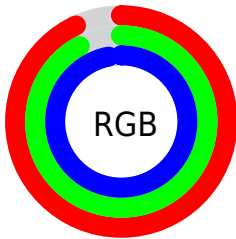
Format	Color
R _Y B	238, 234, 247
Decimal	15657719
CIE Lab	93.34, 3.71, -5.80
CIE LCh	93, 6.885, 302.601
Yxy	83.7382, 0.3074, 0.3159
Android (android.graphics.Color)	4293847799 (0xFFEEEEAF7)
YUV	236.6780, 5.0887, 1.1594
Hunter-Lab	91.5086, -1.1923, -0.6418

Details

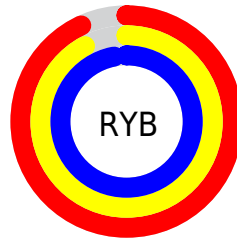
The Yxy color **83.7382, 0.3074, 0.3159** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **91.4952, 0.3179, 0.3420**, and the grayscale version is **84.3968, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.5475, 0.3058, 0.3122** is the 20% darker color. If you saturate the color by 10%, you get **67.8462, 0.2961, 0.2890**, and if you desaturate by 10%, it is **99.4948, 0.3174, 0.3367**.

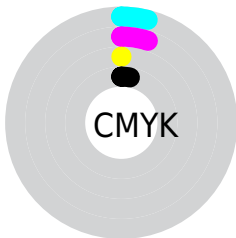
Distribution



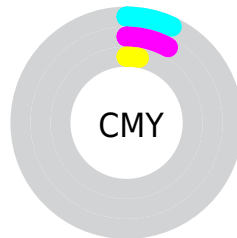
- Red (93%)
- Green (92%)
- Blue (97%)



- Red (93%)
- Yellow (92%)
- Blue (97%)



- Cyan (4%)
- Magenta (5%)
- Yellow (0%)
- Black (3%)



- Cyan (7%)
- Magenta (8%)
- Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 83.7382, 0.3074, 0.3159 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 83.7382, 0.3074, 0.3159 by changing the saturation by 10% instead.

83.7382, 0.3074,
0.3159

83.7382, 0.3074,
0.3159

507.4435, 0.3098,
0.3218

62.7993, 0.3069,
0.3146

138.6089, 0.3082,
0.3179

45.6789, 0.3062,
0.3130

173.3095, 0.3086,
0.3187

31.9925, 0.3054,
0.3110

213.3661, 0.3088,
0.3194

21.3558, 0.3043,
0.3085

259.1632, 0.3091,
0.3200

13.3843, 0.3028,
0.3051

311.0850, 0.3093,
0.3205

7.6937, 0.3008,
0.3005

369.5161, 0.3095,

3.8996, 0.2977,

0.3210

0.2935

434.8408, 0.3097,
0.3214

■ 1.6176, 0.2924,
0.2821

■ 0.3694, 0.2728,
0.2282

■ 83.7382, 0.3074,
0.3159

■ 83.7382, 0.3074,
0.3159

■ 67.8462, 0.2961,
0.2890

■ 99.4948, 0.3174,
0.3367

■ 54.0993, 0.2831,
0.2596

■ 42.4069, 0.2684,
0.2282

■ 32.6677, 0.2524,
0.1958

■ 24.7717, 0.2354,
0.1638

■ 18.5976, 0.2182,
0.1339

■ 14.0092, 0.2018,
0.1082

■ 10.8483, 0.1871,
0.0884

■ 8.9220, 0.1751,
0.0755

Harmonies

Analogous

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



83.7382, 0.3009, 0.3160



83.7382, 0.3074, 0.3159



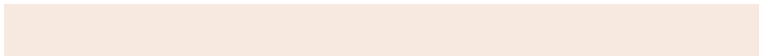
83.7382, 0.3154, 0.3192

Triad

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



83.7382, 0.3074, 0.3159



83.7382, 0.3281, 0.3383



83.7382, 0.3028, 0.3329

Complementary

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



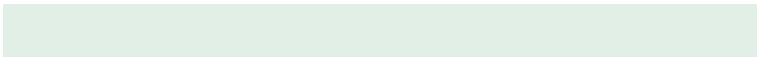
83.7382, 0.3074, 0.3159



91.4952, 0.3179, 0.3420

Split Complementary

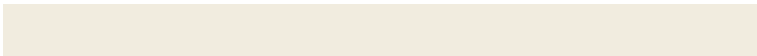
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



83.7382, 0.3099, 0.3391



83.7382, 0.3074, 0.3159



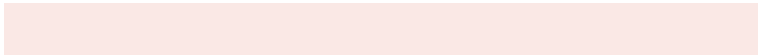
83.7382, 0.3246, 0.3422

Square

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



83.7382, 0.3074, 0.3159



83.7382, 0.3274, 0.3320



83.7382, 0.3179, 0.3425



83.7382, 0.2983, 0.3257

Rectangle

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



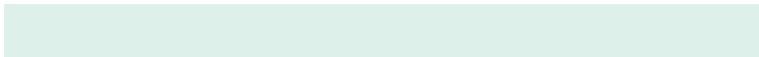
83.7382, 0.3074, 0.3159



83.7382, 0.3205, 0.3229



83.7382, 0.3179, 0.3425



83.7382, 0.3049, 0.3352

Sweetspot

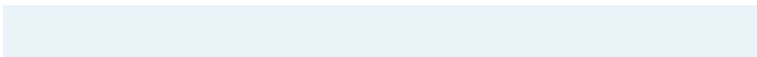
The Sweet Spot groups the original color and five complimentary colors.



83.7418, 0.3074, 0.3159



96.1310, 0.3107, 0.3241



88.3601, 0.3046, 0.3251



20.6165, 0.3108, 0.3244



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.



83.7418, 0.3074, 0.3159



88.6854, 0.3066, 0.3140



84.8567, 0.3116, 0.3161



17.1604, 0.3059, 0.3124



4.4611, 0.1718, 0.0720



0.4444, 0.1851, 0.0793

Inverse Universe

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



85.0773, 0.3159, 0.3202



90.3187, 0.3163, 0.3189



90.3893, 0.3138, 0.3421



17.5128, 0.3167, 0.3178



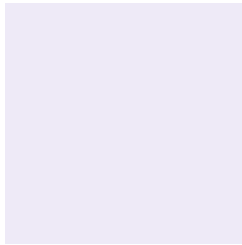
12.0116, 0.4197, 0.2086



1.0742, 0.4042, 0.2001

Previews

White Background



This preview shows how the Yxy color 83.7382, 0.3074, 0.3159 looks on a white background.

Color Contrast Check

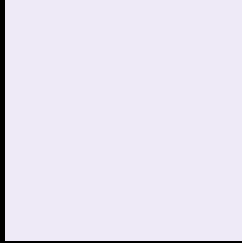
Large Text (above 18pt) WCAG AA × Fail

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 83.7382, 0.3074, 0.3159 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

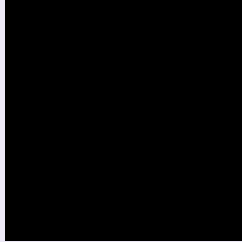
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

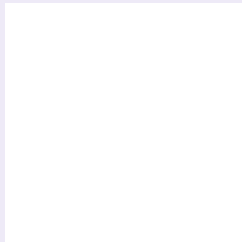
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 83.7382, 0.3074, 0.3159

Background



This preview shows how black text looks on a background with the Yxy color 83.7382, 0.3074, 0.3159.

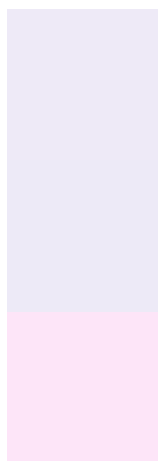


This preview shows how white text looks on a background with the Yxy color 83.7382, 0.3074, 0.3159.

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

83.7382, 0.3074, 0.3159

Protanopia

83.5656, 0.3067, 0.3159

Deuteranopia

83.6986, 0.3170, 0.3104



Tritanopia

83.6568, 0.3050, 0.3100

Trichromacy



Original Color

83.7382, 0.3074, 0.3159

Protanomaly

83.5656, 0.3067, 0.3159

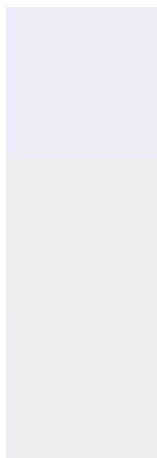
Deuteranomaly

83.8856, 0.3135, 0.3122

Tritanomaly

83.5307, 0.3062, 0.3120

Monochromacy



Original Color

83.7382, 0.3074, 0.3159

Achromatopsia

84.6873, 0.3127, 0.3290

Achromatomaly

84.3463, 0.3103, 0.3239

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.7382, 0.3074, 0.3159 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(238, 234, 247)` looks like.

```
.text, #text, p{  
    color:rgb(238, 234, 247)  
}
```

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(238, 234, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 234, 247) }
```

Border

The CSS property to change the border of an element to Yxy 83.7382, 0.3074, 0.3159 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(238, 234, 247) }
```

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

```
.border{ border-color:rgb(238, 234, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 234, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 234, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 234, 247);  
box-shadow:4px 4px 4px 4px rgb(238, 234,  
247) }
```


Background

The CSS property to change the background color of an element to Yxy 83.7382, 0.3074, 0.3159 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 234, 247) }
```

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

```
.background{ background-color: rgb(238,  
234, 247) }
```

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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