

Converting Colors

$Yxy(84.1071, 0.3053, 0.3171)$

Have a look what the booklet for
Yxy(84.1071, 0.3053, 0.3171)
contains.

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Color

Yxy(83.7942, 0.3054, 0.3168)

Conversions

Conversions Part 1

Format	Color
Hex	EBEBF7
RGB	235, 235, 247
RGB Percent	92%, 92%, 97%
CMY	0.0781, 0.0785, 0.0313
CMYK	0.05, 0.05, 0.00, 0.03
HSL	240°, 43%, 95%
HSV	240°, 5%, 97%
XYZ	80.7789, 83.7942, 99.9288
YIQ	236.3680, -3.8520, 3.7320

Conversions

Conversions Part 2

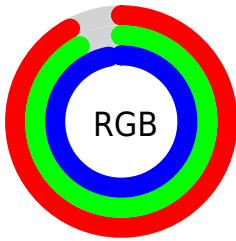
Format	Color
R _Y B	235, 235, 247
Decimal	15461367
CIE Lab	93.36, 2.23, -5.81
CIE LCh	93, 6.219, 290.998
Yxy	83.7942, 0.3054, 0.3168
Android (android.graphics.Color)	4293651447 (0xFFEBEBF7)
YUV	236.3680, 5.2416, -1.1997
Hunter-Lab	91.5392, -2.6760, -0.6466

Details

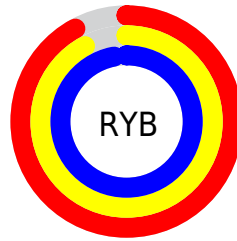
The Yxy color **83.7942, 0.3054, 0.3168** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **92.2928, 0.3199, 0.3409**, and the grayscale version is **84.1493, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.5855, 0.3033, 0.3134** is the 20% darker color. If you saturate the color by 10%, you get **66.7336, 0.2888, 0.2892**, and if you desaturate by 10%, it is **99.4968, 0.3173, 0.3366**.

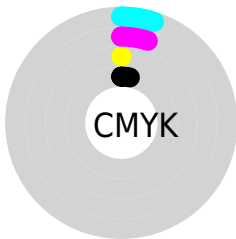
Distribution



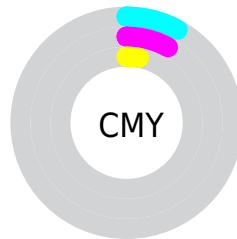
- Red (92%)
- Green (92%)
- Blue (97%)



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



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



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

Brightness & Saturation Gradients

These gradients show how the Yxy color 83.7942, 0.3054, 0.3168 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 83.7942, 0.3054, 0.3168 by changing the saturation by 10% instead.

83.7942, 0.3054,
0.3168

83.7942, 0.3054,
0.3168

507.6296, 0.3087,
0.3223

62.8455, 0.3047,
0.3156

138.6873, 0.3065,
0.3187

45.7163, 0.3038,
0.3141

173.4004, 0.3070,
0.3194

32.0220, 0.3026,
0.3122

213.4706, 0.3074,
0.3200

21.3783, 0.3012,
0.3099

259.2821, 0.3077,
0.3206

13.4008, 0.2992,
0.3067

311.2193, 0.3080,
0.3211

7.7051, 0.2965,
0.3023

369.6668, 0.3083,

3.9068, 0.2923,

0.3215

0.2957

435.0087, 0.3085,
0.3219

■ 1.6216, 0.2854,
0.2849

■ 0.3721, 0.2564,
0.2338

■ 83.7942, 0.3054,
0.3168

■ 83.7942, 0.3054,
0.3168

■ 66.7336, 0.2888,
0.2892

■ 99.4968, 0.3173,
0.3366

■ 52.1042, 0.2702,
0.2582

■ 39.7986, 0.2498,
0.2242

■ 29.6972, 0.2282,
0.1886

■ 21.6700, 0.2068,
0.1530

■ 15.5730, 0.1869,
0.1202

■ 11.2441, 0.1704,
0.0930

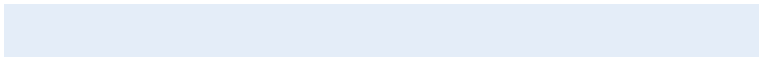
■ 8.4949, 0.1585,
0.0736

■ 7.0938, 0.1519,
0.0629

Harmonies

Analogous

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



83.7942, 0.3005, 0.3181



83.7942, 0.3054, 0.3168



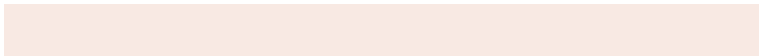
83.7942, 0.3123, 0.3187

Triad

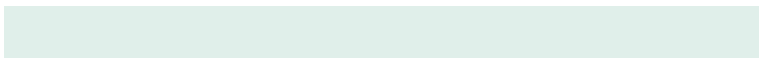
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.7942, 0.3054, 0.3168



83.7942, 0.3268, 0.3354



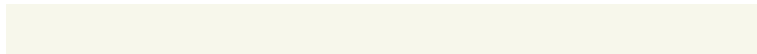
83.7942, 0.3060, 0.3349

Complementary

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



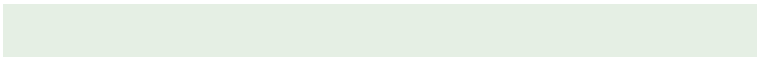
83.7942, 0.3054, 0.3168



92.2928, 0.3199, 0.3409

Split Complementary

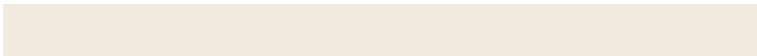
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



83.7942, 0.3130, 0.3397



83.7942, 0.3054, 0.3168



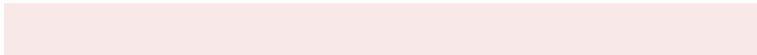
83.7942, 0.3251, 0.3399

Square

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



83.7942, 0.3054, 0.3168



83.7942, 0.3247, 0.3293



83.7942, 0.3200, 0.3415



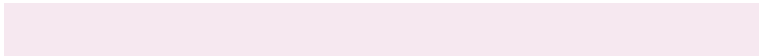
83.7942, 0.3009, 0.3286

Rectangle

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



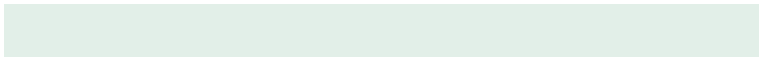
83.7942, 0.3054, 0.3168



83.7942, 0.3171, 0.3215



83.7942, 0.3200, 0.3415



83.7942, 0.3083, 0.3368

Sweetspot

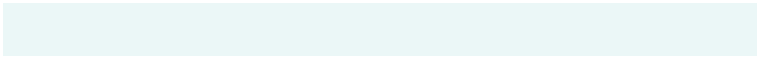
The Sweet Spot groups the original color and five complimentary colors.



83.7978, 0.3054, 0.3168



97.9072, 0.3113, 0.3266



90.9108, 0.3051, 0.3290



20.9782, 0.3113, 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.



83.7978, 0.3054, 0.3168



87.8580, 0.3036, 0.3138



84.8234, 0.3093, 0.3170



16.9826, 0.3026, 0.3122



3.5612, 0.1503, 0.0601



0.3152, 0.1509, 0.0605

Inverse Universe

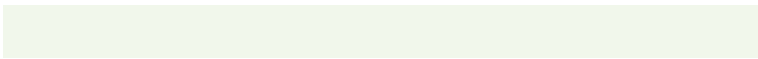
The Inverse Universe completely reimagines the original color for something new.



85.8946, 0.3133, 0.3172



90.6158, 0.3135, 0.3144



91.2332, 0.3160, 0.3411



17.5770, 0.3136, 0.3129



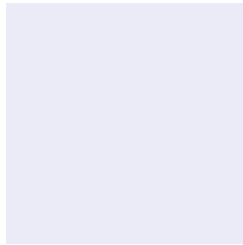
13.9461, 0.3229, 0.1553



1.2265, 0.3227, 0.1551

Previews

White Background



This preview shows how the Yxy color 83.7942, 0.3054, 0.3168 looks on a white background.

Color Contrast Check

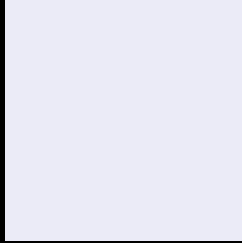
Large Text (above 18pt) WCAG AA × Fail

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 83.7942, 0.3054, 0.3168 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

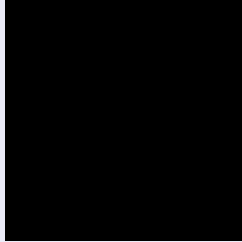
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

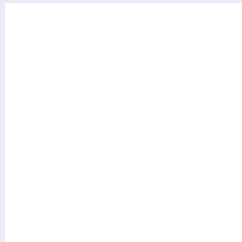
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 83.7942, 0.3054, 0.3168

Background



This preview shows how black text looks on a background with the Yxy color 83.7942, 0.3054, 0.3168.

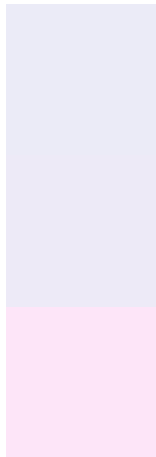


This preview shows how white text looks on a background with the Yxy color 83.7942, 0.3054, 0.3168.

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

83.7942, 0.3054, 0.3168

Protanopia

83.5656, 0.3067, 0.3159

Deuteranopia

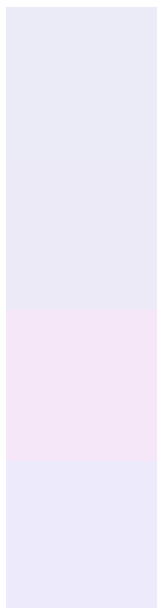
83.6986, 0.3170, 0.3104



Tritanopia

83.7704, 0.3024, 0.3099

Trichromacy



Original Color

83.7942, 0.3054, 0.3168

Protanomaly

83.3939, 0.3060, 0.3158

Deuteranomaly

83.5220, 0.3122, 0.3121

Tritanomaly

83.6435, 0.3036, 0.3119

Monochromacy



Original Color

83.7942, 0.3054, 0.3168

Achromatopsia

83.8799, 0.3127, 0.3290

Achromatomaly

84.1150, 0.3103, 0.3249

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.7942, 0.3054, 0.3168 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(235, 235, 247)` looks like.

```
.text, #text, p{  
    color:rgb(235, 235, 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(235, 235, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 235, 247) }
```

Border

The CSS property to change the border of an element to Yxy 83.7942, 0.3054, 0.3168 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(235, 235, 247) }
```

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

```
.border{ border-color:rgb(235, 235, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 235, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 235, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 235, 247);  
box-shadow:4px 4px 4px 4px rgb(235, 235,  
247) }
```


Background

The CSS property to change the background color of an element to Yxy 83.7942, 0.3054, 0.3168 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 235, 247) }
```

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

```
.background{ background-color: rgb(235,  
235, 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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