

Converting Colors

Yxy(84.7852, 0.3097, 0.3165)

Have a look what the booklet for
Yxy(84.7852, 0.3097, 0.3165)
contains.

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Color

Yxy(85.0093, 0.3100, 0.3170)

Conversions

Conversions Part 1

Format	Color
Hex	F2EBF7
RGB	242, 235, 247
RGB Percent	95%, 92%, 97%
CMY	0.0507, 0.0785, 0.0313
CMYK	0.02, 0.05, 0.00, 0.03
HSL	275°, 43%, 95%
HSV	275°, 5%, 97%
XYZ	83.1321, 85.0093, 100.0267
YIQ	238.4610, 0.3200, 5.2160

Conversions

Conversions Part 2

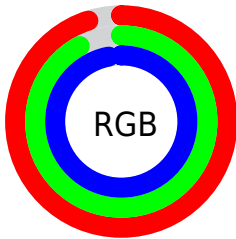
Format	Color
R _Y B	242, 235, 247
Decimal	15920119
CIE Lab	93.89, 4.52, -4.96
CIE LCh	94, 6.710, 312.302
Yxy	85.0093, 0.3100, 0.3170
Android (android.graphics.Color)	4294110199 (0xFFFF2EBF7)
YUV	238.4610, 4.2097, 3.1037
Hunter-Lab	92.2005, -0.4072, 0.2176

Details

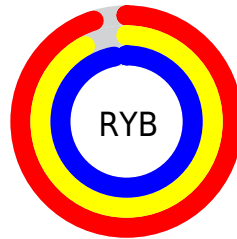
The Yxy color **85.0093, 0.3100, 0.3170** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **91.0349, 0.3153, 0.3411**, and the grayscale version is **85.8514, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **46.4409, 0.3092, 0.3137** is the 20% darker color. If you saturate the color by 10%, you get **70.0916, 0.3037, 0.2909**, and if you desaturate by 10%, it is **98.9716, 0.3156, 0.3367**.

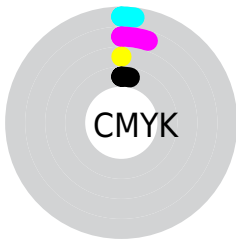
Distribution



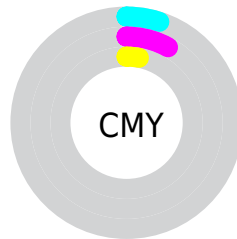
- Red (95%)
- Green (92%)
- Blue (97%)



- Red (95%)
- Yellow (92%)
- Blue (97%)



- Cyan (2%)
- Magenta (5%)
- Yellow (0%)
- Black (3%)




- Cyan (5%)
- Magenta (8%)
- Yellow (3%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 85.0093, 0.3100, 0.3170 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 85.0093, 0.3100, 0.3170 by changing the saturation by 10% instead.

 85.0093, 0.3100,
0.3170

 85.0093, 0.3100,
0.3170

511.6588, 0.3112,
0.3224

 63.8491, 0.3097,
0.3158


140.3862, 0.3104,
0.3188

 46.5284, 0.3094,
0.3144


175.3716, 0.3106,
0.3195

 32.6630, 0.3089,
0.3126


215.7342, 0.3107,
0.3202

 21.8684, 0.3084,
0.3103

261.8584, 0.3109,
0.3207

 13.7603, 0.3076,
0.3072

314.1286, 0.3110,
0.3212

 7.9541, 0.3066,
0.3030

372.9291, 0.3111,

 4.0656, 0.3049,

0.3216

0.2968

438.6444, 0.3112,
0.3220

■ 1.7103, 0.3021,
0.2866

■ 0.4303, 0.2942,
0.2438

■ 85.0093, 0.3100,
0.3170

■ 85.0093, 0.3100,
0.3170

■ 70.0916, 0.3037,
0.2909

■ 98.9716, 0.3156,
0.3367

■ 57.1517, 0.2962,
0.2632

■ 99.4958, 0.3173,
0.3366

■ 46.1054, 0.2877,
0.2345

■ 36.8586, 0.2781,
0.2057

■ 29.3085, 0.2677,
0.1779

■ 23.3417, 0.2566,
0.1525

■ 18.8307, 0.2454,
0.1308

■ 15.6271, 0.2344,
0.1140

■ 13.5489, 0.2241,
0.1025

Harmonies

Analogous

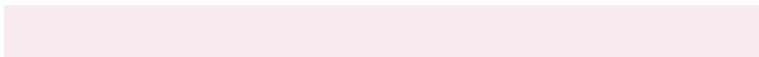
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.0093, 0.3030, 0.3160



85.0093, 0.3100, 0.3170



85.0093, 0.3178, 0.3211

Triad

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



85.0093, 0.3100, 0.3170



85.0093, 0.3269, 0.3395



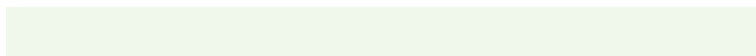
85.0093, 0.3013, 0.3306

Complementary

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



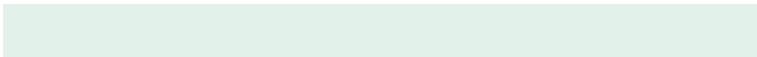
85.0093, 0.3100, 0.3170



91.0349, 0.3153, 0.3411

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.



85.0093, 0.3076, 0.3371



85.0093, 0.3100, 0.3170



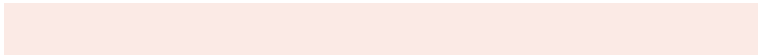
85.0093, 0.3224, 0.3423

Square

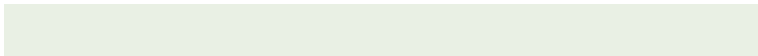
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



85.0093, 0.3100, 0.3170



85.0093, 0.3276, 0.3341



85.0093, 0.3153, 0.3414



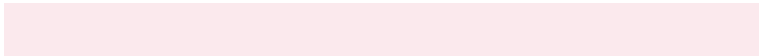
85.0093, 0.2981, 0.3237

Rectangle

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



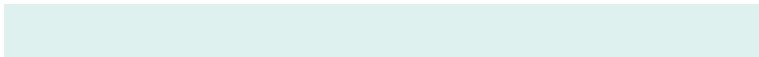
85.0093, 0.3100, 0.3170



85.0093, 0.3223, 0.3251



85.0093, 0.3153, 0.3414



85.0093, 0.3031, 0.3329

Sweetspot

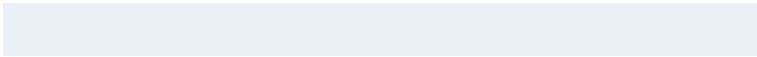
The Sweet Spot groups the original color and five complimentary colors.



85.0129, 0.3100, 0.3170



98.1856, 0.3122, 0.3266



86.6920, 0.3053, 0.3219



21.0349, 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.



85.0129, 0.3100, 0.3170



89.4509, 0.3093, 0.3141



85.8375, 0.3139, 0.3181



17.3253, 0.3090, 0.3125



6.8452, 0.2207, 0.0990



0.6617, 0.2329, 0.1057

Inverse Universe

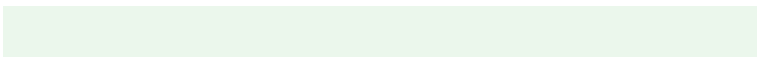
The Inverse Universe completely reimagines the original color for something new.



85.4701, 0.3177, 0.3241



90.0567, 0.3189, 0.3229



90.2406, 0.3116, 0.3401



17.4563, 0.3196, 0.3223



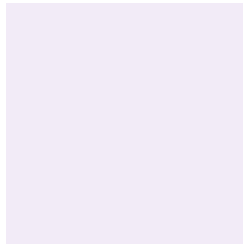
10.9864, 0.5335, 0.2713



0.9855, 0.5008, 0.2533

Previews

White Background



This preview shows how the Yxy color 85.0093, 0.3100, 0.3170 looks on a white background.

Color Contrast Check

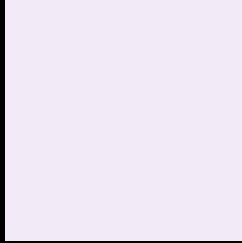
Large Text (above 18pt) WCAG AA × Fail

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 85.0093, 0.3100, 0.3170 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

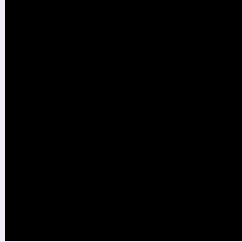
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

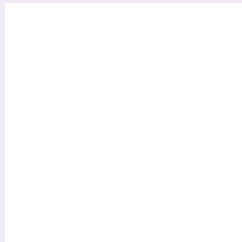
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 85.0093, 0.3100, 0.3170

Background



This preview shows how black text looks on a background with the Yxy color 85.0093, 0.3100, 0.3170.

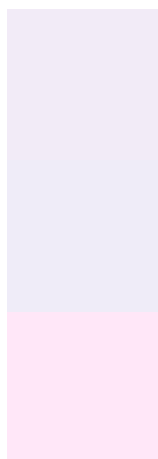


This preview shows how white text looks on a background with the Yxy color 85.0093, 0.3100, 0.3170.

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

85.0093, 0.3100, 0.3170

Protanopia

85.1189, 0.3073, 0.3170

Deuteranopia

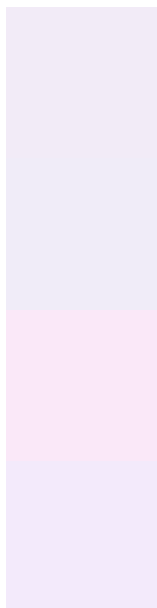
85.1891, 0.3182, 0.3125



Tritanopia

84.9922, 0.3070, 0.3102

Trichromacy



Original Color

85.0093, 0.3100, 0.3170

Protanomaly

85.2935, 0.3080, 0.3170

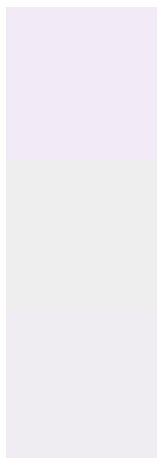
Deuteranomaly

84.8145, 0.3148, 0.3133

Tritanomaly

84.8654, 0.3082, 0.3121

Monochromacy



Original Color

85.0093, 0.3100, 0.3170

Achromatopsia

85.4993, 0.3127, 0.3290

Achromatomaly

85.2700, 0.3116, 0.3250

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.0093, 0.3100, 0.3170 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(242, 235, 247)` looks like.

```
.text, #text, p{  
    color:rgb(242, 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(242, 235, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 235, 247) }
```

Border

The CSS property to change the border of an element to Yxy 85.0093, 0.3100, 0.3170 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(242, 235, 247) }
```

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

```
.border{ border-color:rgb(242, 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(242, 235, 247) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 235, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 235, 247);  
box-shadow:4px 4px 4px 4px rgb(242, 235,  
247) }
```


Background

The CSS property to change the background color of an element to Yxy 85.0093, 0.3100, 0.3170 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 235, 247) }
```

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

```
.background{ background-color: rgb(242,  
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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