

Converting Colors

Yxy(84.7616, 0.2998, 0.3191)

Have a look what the booklet for
Yxy(84.7616, 0.2998, 0.3191)
contains.

Yxy(85.0043, 0.3002, 0.3198)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(85.0043, 0.3002, 0.3198)

Conversions

Conversions Part 1

Format	Color
Hex	E4EFF8
RGB	228, 239, 248
RGB Percent	89%, 94%, 97%
CMY	0.1060, 0.0627, 0.0275
CMYK	0.08, 0.04, 0.00, 0.03
HSL	207°, 59%, 93%
HSV	207°, 8%, 97%
XYZ	79.7945, 85.0043, 101.0057
YIQ	236.7370, -9.4450, 0.4670

Conversions

Conversions Part 2

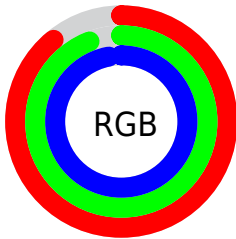
Format	Color
R _Y B	228, 235, 248
Decimal	15003640
CIE Lab	93.88, -1.96, -5.60
CIE LCh	94, 5.932, 250.695
Yxy	85.0043, 0.3002, 0.3198
Android (android.graphics.Color)	4293193720 (0xFFE4EFF8)
YUV	236.7370, 5.5527, -7.6623
Hunter-Lab	92.1978, -6.8595, -0.4157

Details

The Yxy color **85.0043, 0.3002, 0.3198** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **86.0898, 0.3258, 0.3380**, and the grayscale version is **84.4351, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **46.5570, 0.2976, 0.3172** is the 20% darker color. If you saturate the color by 10%, you get **74.9292, 0.2843, 0.3072**, and if you desaturate by 10%, it is **96.0685, 0.3156, 0.3311**.

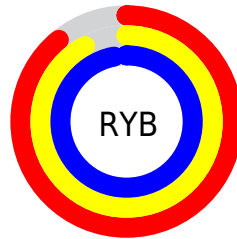
Distribution



Red (89%)

Green (94%)

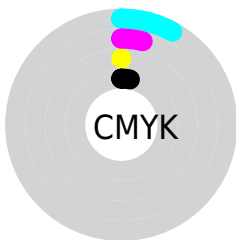
Blue (97%)



Red (89%)

Yellow (92%)

Blue (97%)

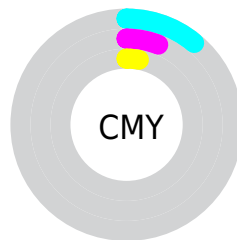


Cyan (8%)

Magenta (4%)

Yellow (0%)

Black (3%)



Cyan (11%)

Magenta (6%)

Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 85.0043, 0.3002, 0.3198 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 85.0043, 0.3002, 0.3198 by changing the saturation by 10% instead.

85.0043, 0.3002,
0.3198

85.0043, 0.3002,
0.3198

511.6423, 0.3058,
0.3240

63.8449, 0.2990,
0.3189

140.3792, 0.3021,
0.3212

46.5251, 0.2974,
0.3177

175.3635, 0.3029,
0.3218

32.6604, 0.2955,
0.3163

215.7249, 0.3035,
0.3223

21.8664, 0.2931,
0.3145

261.8478, 0.3041,
0.3227

13.7588, 0.2899,
0.3120

314.1166, 0.3046,
0.3231

7.9531, 0.2854,
0.3086

372.9157, 0.3051,

4.0649, 0.2787,

0.3234

438.6295, 0.3055,
0.3237

0.3035

1.7100, 0.2676,
0.2949

0.4301, 0.2186,
0.2605

85.0043, 0.3002,
0.3198

85.0043, 0.3002,
0.3198

74.9292, 0.2843,
0.3072

96.0685, 0.3156,
0.3311

65.8008, 0.2682,
0.2934

99.5572, 0.3168,
0.3357

57.5889, 0.2521,
0.2783

50.2574, 0.2366,
0.2621

■ 43.7672, 0.2221,
0.2451

■ 38.0757, 0.2091,
0.2275

■ 33.1350, 0.1979,
0.2098

■ 28.8898, 0.1890,
0.1924

■ 25.2674, 0.1824,
0.1757

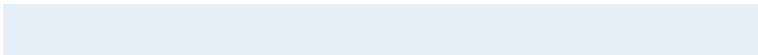
Harmonies

Analogous

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



85.0043, 0.2998, 0.3246



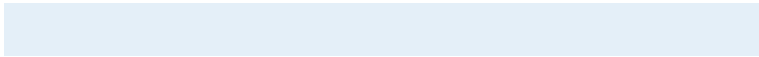
85.0043, 0.3002, 0.3198



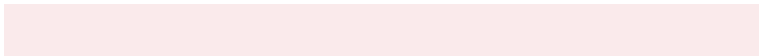
85.0043, 0.3039, 0.3175

Triad

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



85.0043, 0.3002, 0.3198



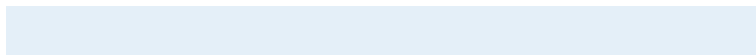
85.0043, 0.3226, 0.3272



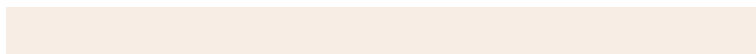
85.0043, 0.3154, 0.3401

Complementary

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



85.0043, 0.3002, 0.3198



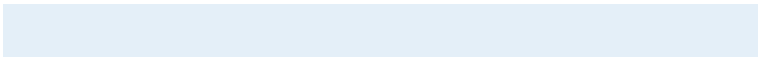
86.0898, 0.3258, 0.3380

Split Complementary

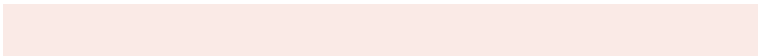
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



85.0043, 0.3216, 0.3407



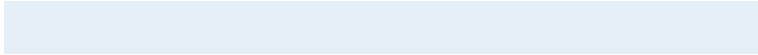
85.0043, 0.3002, 0.3198



85.0043, 0.3258, 0.3332

Square

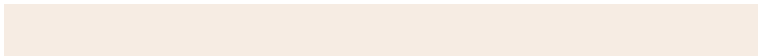
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



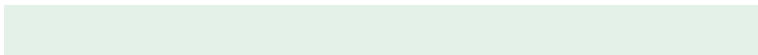
85.0043, 0.3002, 0.3198



85.0043, 0.3168, 0.3218



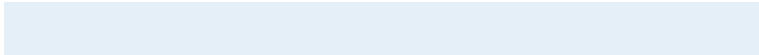
85.0043, 0.3254, 0.3381



85.0043, 0.3085, 0.3364

Rectangle

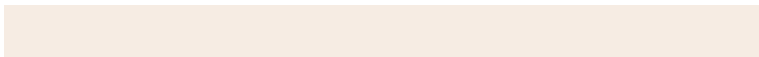
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



85.0043, 0.3002, 0.3198



85.0043, 0.3078, 0.3177



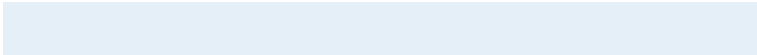
85.0043, 0.3254, 0.3381



85.0043, 0.3176, 0.3406

Sweetspot

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



85.0079, 0.3002, 0.3198



97.5958, 0.3096, 0.3268



89.7147, 0.3067, 0.3406



20.9148, 0.3098, 0.3269



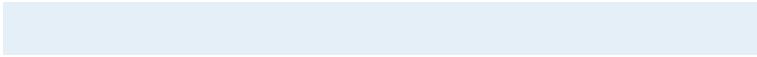
0.0000, 0.0000, 0.0000



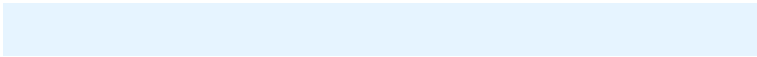
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.0079, 0.3002, 0.3198



88.4038, 0.2972, 0.3175



79.4677, 0.3002, 0.3097



18.2311, 0.2980, 0.3181



13.5869, 0.1820, 0.1752



1.4700, 0.1875, 0.1951

Inverse Universe

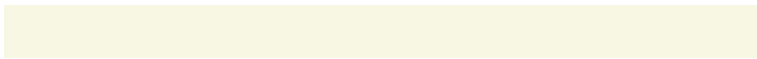
The Inverse Universe completely reimagines the original color for something new.



81.6543, 0.3194, 0.3180



84.0813, 0.3212, 0.3153



91.8704, 0.3249, 0.3476



17.3855, 0.3207, 0.3160



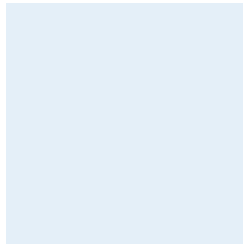
11.7825, 0.4743, 0.2387



1.1126, 0.4509, 0.2258

Previews

White Background



This preview shows how the Yxy color 85.0043, 0.3002, 0.3198 looks on a white background.

Color Contrast Check

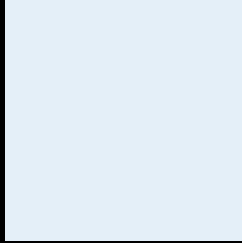
Large Text (above 18pt) WCAG AA × Fail

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 85.0043, 0.3002, 0.3198 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

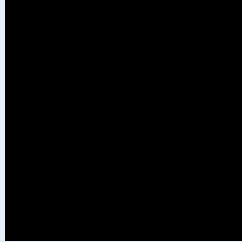
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

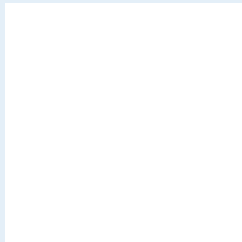
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 85.0043, 0.3002, 0.3198

Background



This preview shows how black text looks on a background with the Yxy color 85.0043, 0.3002, 0.3198.

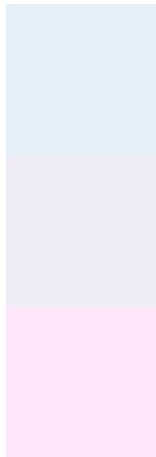


This preview shows how white text looks on a background with the Yxy color 85.0043, 0.3002, 0.3198.

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

85.0043, 0.3002, 0.3198

Protanopia

84.9954, 0.3086, 0.3190

Deuteranopia

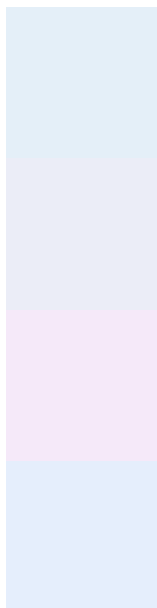
84.7558, 0.3170, 0.3096



Tritanopia

85.1921, 0.2974, 0.3118

Trichromacy



Original Color

85.0043, 0.3002, 0.3198

Protanomaly

84.9459, 0.3053, 0.3189

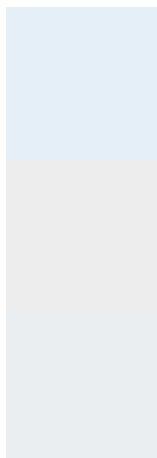
Deuteranomaly

84.5299, 0.3108, 0.3131

Tritanomaly

84.8354, 0.2985, 0.3148

Monochromacy



Original Color

85.0043, 0.3002, 0.3198

Achromatopsia

84.6873, 0.3127, 0.3290

Achromatomaly

84.9924, 0.3083, 0.3259

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.0043, 0.3002, 0.3198 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(228, 239, 248)` looks like.

```
.text, #text, p{  
    color:rgb(228, 239, 248)  
}
```

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(228, 239, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 239, 248) }
```

Border

The CSS property to change the border of an element to Yxy 85.0043, 0.3002, 0.3198 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(228, 239, 248) }
```

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

```
.border{ border-color:rgb(228, 239, 248) }
```

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

Here you see how a box with a 4 pixel rgb(228, 239, 248) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 239, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 239, 248);  
box-shadow:4px 4px 4px 4px rgb(228, 239,  
248) }
```


Background

The CSS property to change the background color of an element to Yxy 85.0043, 0.3002, 0.3198 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 239, 248) }
```

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

```
.background{ background-color: rgb(228,  
239, 248) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor