

Converting Colors

$Yxy(85.2445, 0.3017, 0.3192)$

Have a look what the booklet for
Yxy(85.2445, 0.3017, 0.3192)
contains.

Yxy(85.4992, 0.3021, 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(85.4992, 0.3021, 0.3198)

Conversions

Conversions Part 1

Format	Color
Hex	E7EFF8
RGB	231, 239, 248
RGB Percent	91%, 94%, 97%
CMY	0.0942, 0.0627, 0.0273
CMYK	0.07, 0.04, 0.00, 0.03
HSL	212°, 55%, 94%
HSV	212°, 7%, 97%
XYZ	80.7671, 85.4992, 101.0858
YIQ	237.6340, -7.6570, 1.1030

Conversions

Conversions Part 2

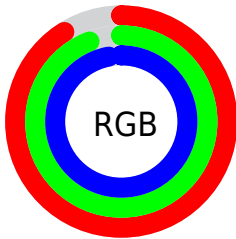
Format	Color
R _Y B	231, 236, 248
Decimal	15200248
CIE Lab	94.10, -0.97, -5.28
CIE LCh	94, 5.372, 259.596
Yxy	85.4992, 0.3021, 0.3198
Android (android.graphics.Color)	4293390328 (0xFFE7EFF8)
YUV	237.6340, 5.1104, -5.8180
Hunter-Lab	92.4658, -5.8988, -0.0912

Details

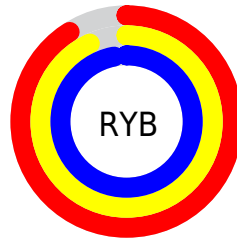
The Yxy color **85.4992, 0.3021, 0.3198** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **88.0700, 0.3236, 0.3380**, and the grayscale version is **85.1694, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **46.7867, 0.2992, 0.3172** is the 20% darker color. If you saturate the color by 10%, you get **74.2436, 0.2860, 0.3051**, and if you desaturate by 10%, it is **97.7557, 0.3169, 0.3329**.

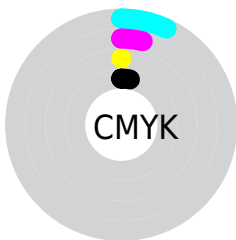
Distribution



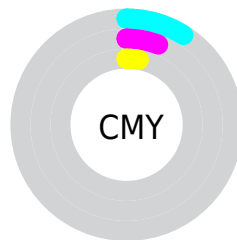
- Red (91%)
- Green (94%)
- Blue (97%)



- Red (91%)
- Yellow (93%)
- Blue (97%)



- Cyan (7%)
- Magenta (4%)
- Yellow (0%)
- Black (3%)



- Cyan (9%)
- Magenta (6%)
- Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 85.4992, 0.3021, 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 85.4992, 0.3021, 0.3198 by changing the saturation by 10% instead.

85.4992, 0.3021,
0.3198

85.4992, 0.3021,
0.3198

513.2784, 0.3069,
0.3240

64.2539, 0.3010,
0.3189

141.0704, 0.3037,
0.3212

46.8564, 0.2998,
0.3178

176.1652, 0.3044,
0.3218

32.9221, 0.2981,
0.3163

216.6452, 0.3049,
0.3223

22.0668, 0.2961,
0.3145

262.8949, 0.3054,
0.3227

13.9060, 0.2933,
0.3121

315.2987, 0.3058,
0.3231

8.0553, 0.2895,
0.3088

374.2410, 0.3062,

4.1304, 0.2838,

0.3234

0.3037

440.1061, 0.3066,
0.3237

■ 1.7467, 0.2745,
0.2954

■ 0.4537, 0.2363,
0.2631

■ 85.4992, 0.3021,
0.3198

■ 85.4992, 0.3021,
0.3198

■ 74.2436, 0.2860,
0.3051

■ 97.7557, 0.3169,
0.3329

■ 64.0930, 0.2695,
0.2887

■ 99.5599, 0.3167,
0.3357

■ 55.0124, 0.2527,
0.2709

■ 46.9609, 0.2362,
0.2516

■ 39.8946, 0.2204,
0.2314

■ 33.7655, 0.2059,
0.2105

■ 28.5204, 0.1934,
0.1896

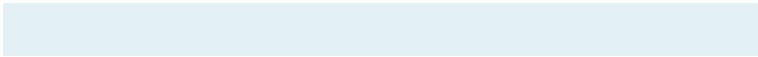
■ 24.0990, 0.1832,
0.1694

■ 20.4276, 0.1756,
0.1504

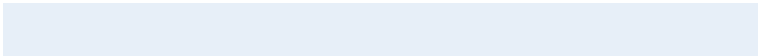
Harmonies

Analogous

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



85.4992, 0.3008, 0.3236



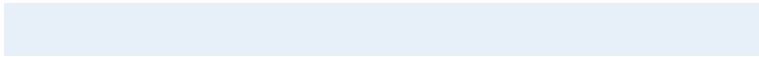
85.4992, 0.3021, 0.3198



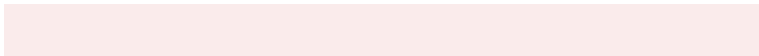
85.4992, 0.3062, 0.3185

Triad

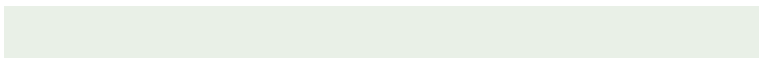
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



85.4992, 0.3021, 0.3198



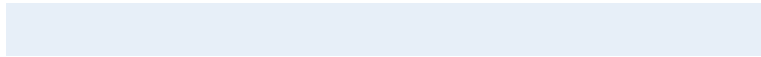
85.4992, 0.3228, 0.3290



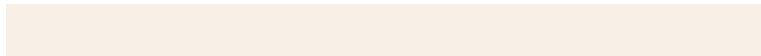
85.4992, 0.3133, 0.3383

Complementary

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



85.4992, 0.3021, 0.3198



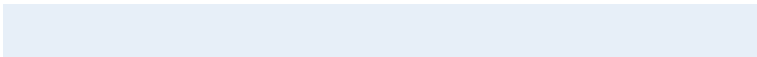
88.0700, 0.3236, 0.3380

Split Complementary

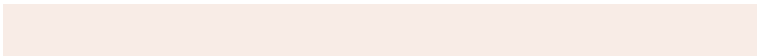
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



85.4992, 0.3192, 0.3397



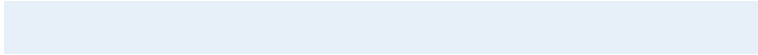
85.4992, 0.3021, 0.3198



85.4992, 0.3248, 0.3343

Square

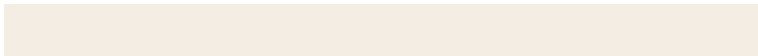
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



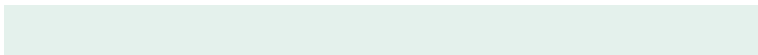
85.4992, 0.3021, 0.3198



85.4992, 0.3182, 0.3238



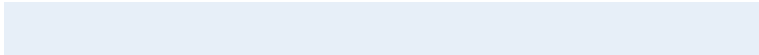
85.4992, 0.3234, 0.3382



85.4992, 0.3073, 0.3343

Rectangle

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



85.4992, 0.3021, 0.3198



85.4992, 0.3100, 0.3192



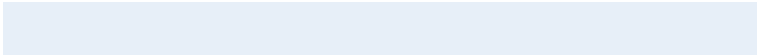
85.4992, 0.3234, 0.3382



85.4992, 0.3154, 0.3391

Sweetspot

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



85.5028, 0.3021, 0.3198



97.3329, 0.3097, 0.3264



90.4274, 0.3068, 0.3373



20.8613, 0.3098, 0.3265



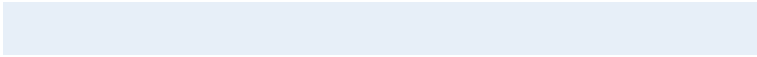
0.0000, 0.0000, 0.0000



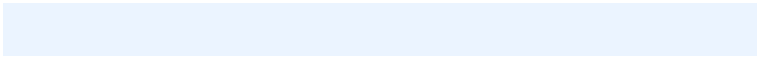
21.4041, 0.3127, 0.3290

Same Dimension

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



85.5028, 0.3021, 0.3198



89.6284, 0.3003, 0.3182



80.9612, 0.3023, 0.3116



17.9882, 0.2980, 0.3161



10.7534, 0.1744, 0.1476



1.2062, 0.1806, 0.1700

Inverse Universe

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



83.3430, 0.3193, 0.3210



86.9909, 0.3204, 0.3197



92.8418, 0.3227, 0.3459



17.3610, 0.3220, 0.3179



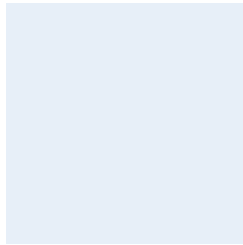
11.4965, 0.5090, 0.2578



1.0860, 0.4807, 0.2422

Previews

White Background



This preview shows how the Yxy color 85.4992, 0.3021, 0.3198 looks on a white background.

Color Contrast Check

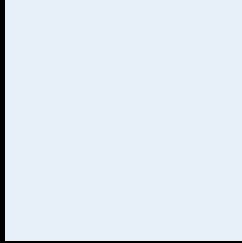
Large Text (above 18pt) WCAG AA × Fail

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 85.4992, 0.3021, 0.3198 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

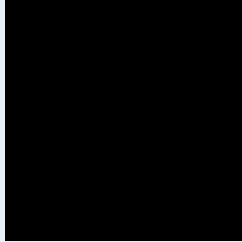
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

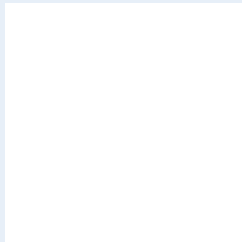
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 85.4992, 0.3021, 0.3198

Background



This preview shows how black text looks on a background with the Yxy color 85.4992, 0.3021, 0.3198.

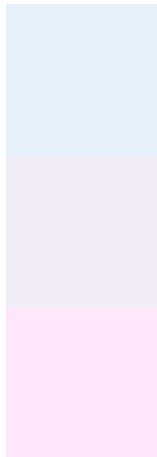


This preview shows how white text looks on a background with the Yxy color 85.4992, 0.3021, 0.3198.

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

85.4992, 0.3021, 0.3198

Protanopia

85.8090, 0.3086, 0.3190

Deuteranopia

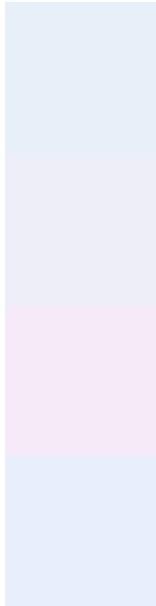
85.2514, 0.3176, 0.3115



Tritanopia

85.6927, 0.2993, 0.3119

Trichromacy



Original Color

85.4992, 0.3021, 0.3198

Protanomaly

85.8690, 0.3066, 0.3199

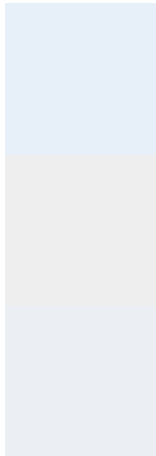
Deuteranomaly

85.2780, 0.3114, 0.3142

Tritanomaly

85.3332, 0.3004, 0.3148

Monochromacy



Original Color

85.4992, 0.3021, 0.3198

Achromatopsia

85.4993, 0.3127, 0.3290

Achromatomaly

85.2220, 0.3083, 0.3249

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.4992, 0.3021, 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(231, 239, 248)` looks like.

```
.text, #text, p{  
    color:rgb(231, 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(231, 239, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 239, 248) }
```

Border

The CSS property to change the border of an element to Yxy 85.4992, 0.3021, 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(231, 239, 248) }
```

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

```
.border{ border-color:rgb(231, 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(231, 239, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(231, 239, 248); -webkit-box-shadow:4px 4px 4px 4px rgb(231, 239, 248); box-shadow:4px 4px 4px 4px rgb(231, 239, 248) }
```


Background

The CSS property to change the background color of an element to Yxy 85.4992, 0.3021, 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(231, 239, 248) }
```

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

```
.background{ background-color: rgb(231,  
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