

Converting Colors

Yxy(85.5210, 0.2997, 0.3168)

Have a look what the booklet for
Yxy(85.5210, 0.2997, 0.3168)
contains.

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Color

Yxy(85.5210, 0.2997, 0.3168)

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | E6EFFB |
| RGB | 230, 239, 251 |
| RGB Percent | 90%, 94%, 98% |
| CMY | 0.0982, 0.0627, 0.0156 |
| CMYK | 0.08, 0.05, 0.00, 0.02 |
| HSL | 214°, 73%, 94% |
| HSV | 214°, 8%, 98% |
| XYZ | 80.9048, 85.5210, 103.5268 |
| YIQ | 237.6770, -9.2160, 1.8240 |

Conversions

Conversions Part 2

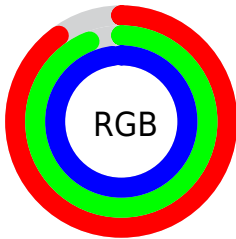
| Format | Color |
|-------------------------------------|------------------------------|
| R _Y B | 230, 236, 251 |
| Decimal | 15134715 |
| CIE Lab | 94.11, -0.74, -6.83 |
| CIE LCh | 94, 6.865, 263.801 |
| Yxy | 85.5210, 0.2997, 0.3168 |
| Android (android.graphics.Color) | 4293324795 (0xFFE6E6FB) |
| YUV | 237.6770, 6.5682, -6.7327 |
| Hunter-Lab | 92.4776, -5.6734, -1.6397 |

Details

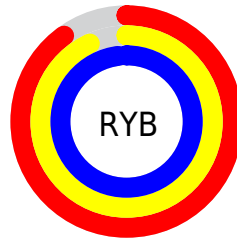
The Yxy color **85.5210, 0.2997, 0.3168** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **89.7091, 0.3261, 0.3409**, and the grayscale version is **85.1896, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **46.8058, 0.2962, 0.3133** is the 20% darker color. If you saturate the color by 10%, you get **73.6162, 0.2834, 0.3007**, and if you desaturate by 10%, it is **98.6826, 0.3151, 0.3312**.

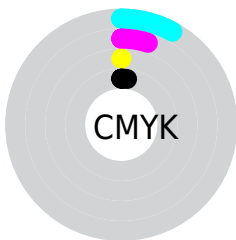
Distribution



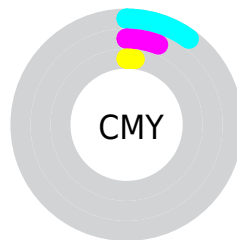
- Red (90%)
- Green (94%)
- Blue (98%)



- Red (90%)
- Yellow (93%)
- Blue (98%)



- Cyan (8%)
- Magenta (5%)
- Yellow (0%)
- Black (2%)



- Cyan (10%)
- Magenta (6%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 85.5210, 0.2997, 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 85.5210, 0.2997, 0.3168 by changing the saturation by 10% instead.

85.5210, 0.2997,
0.3168

85.5210, 0.2997,
0.3168

513.3505, 0.3055,
0.3223

64.2720, 0.2984,
0.3156

141.1009, 0.3017,
0.3187

46.8710, 0.2968,
0.3141

176.2005, 0.3025,
0.3194

32.9337, 0.2949,
0.3122

216.6857, 0.3032,
0.3201

22.0756, 0.2923,
0.3098

262.9410, 0.3038,
0.3206

13.9125, 0.2890,
0.3067

315.3507, 0.3043,
0.3211

8.0598, 0.2843,
0.3022

374.2993, 0.3047,

4.1333, 0.2774,

0.3215

0.2956

440.1711, 0.3052,
0.3219

■ 1.7484, 0.2661,
0.2848

■ 0.4547, 0.2249,
0.2470

■ 85.5210, 0.2997,
0.3168

■ 85.5210, 0.2997,
0.3168

■ 73.6162, 0.2834,
0.3007

■ 98.6826, 0.3151,
0.3312

■ 62.9285, 0.2666,
0.2827

■ 99.7464, 0.3150,
0.3328

■ 53.4184, 0.2494,
0.2632

■ 45.0399, 0.2325,
0.2422

■ 37.7438, 0.2163,
0.2202

■ 31.4760, 0.2015,
0.1977

■ 26.1770, 0.1888,
0.1755

■ 21.7786, 0.1786,
0.1543

■ 18.1921, 0.1711,
0.1349

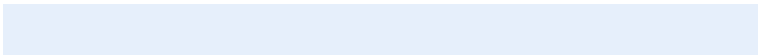
Harmonies

Analogous

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



85.5210, 0.2975, 0.3212



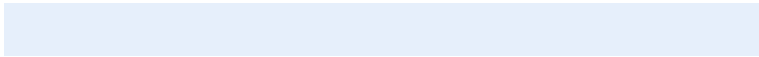
85.5210, 0.2997, 0.3168



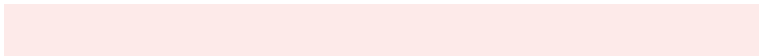
85.5210, 0.3053, 0.3157

Triad

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



85.5210, 0.2997, 0.3168



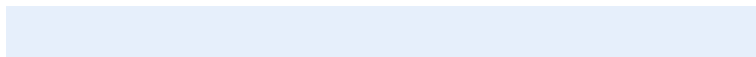
85.5210, 0.3262, 0.3300



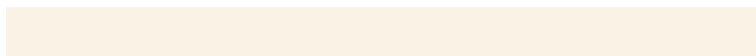
85.5210, 0.3123, 0.3404

Complementary

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



85.5210, 0.2997, 0.3168



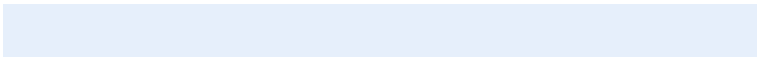
89.7091, 0.3261, 0.3409

Split Complementary

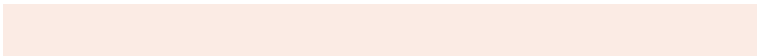
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



85.5210, 0.3200, 0.3427



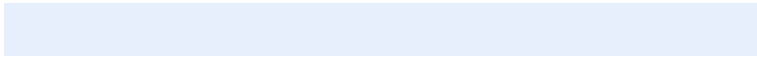
85.5210, 0.2997, 0.3168



85.5210, 0.3282, 0.3366

Square

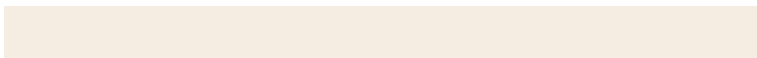
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



85.5210, 0.2997, 0.3168



85.5210, 0.3207, 0.3232



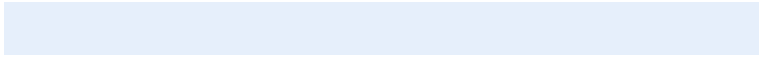
85.5210, 0.3259, 0.3412



85.5210, 0.3048, 0.3349

Rectangle

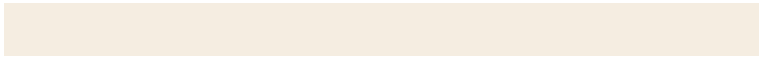
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



85.5210, 0.2997, 0.3168



85.5210, 0.3103, 0.3169



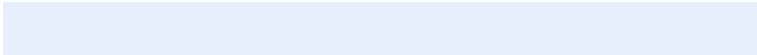
85.5210, 0.3259, 0.3412



85.5210, 0.3150, 0.3415

Sweetspot

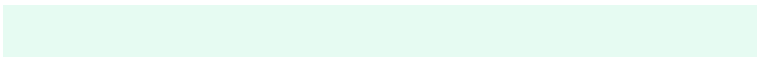
The Sweet Spot groups the original color and five complimentary colors.



85.5246, 0.2997, 0.3168



95.8268, 0.3081, 0.3248



92.2291, 0.3049, 0.3382



20.2765, 0.3069, 0.3236



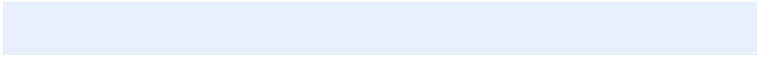
0.0000, 0.0000, 0.0000



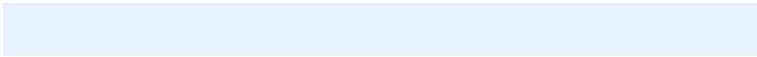
21.4041, 0.3127, 0.3290

Same Dimension

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



85.5246, 0.2997, 0.3168



86.5534, 0.2971, 0.3143



80.5875, 0.3006, 0.3075



17.8702, 0.2979, 0.3151



9.5645, 0.1708, 0.1350



1.0917, 0.1773, 0.1581

Inverse Universe

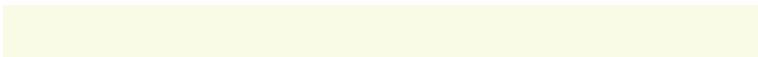
The Inverse Universe completely reimagines the original color for something new.



83.3177, 0.3214, 0.3201



83.8945, 0.3232, 0.3183



94.9726, 0.3243, 0.3497



17.3491, 0.3226, 0.3188



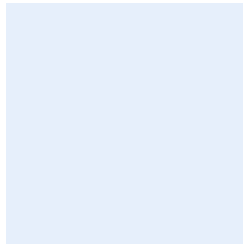
11.3764, 0.5258, 0.2670



1.0744, 0.4955, 0.2503

Previews

White Background



This preview shows how the Yxy color 85.5210, 0.2997, 0.3168 looks on a white background.

Color Contrast Check

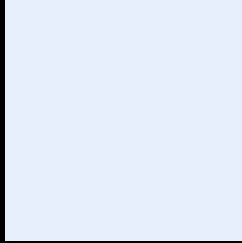
Large Text (above 18pt) WCAG AA × Fail

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 85.5210, 0.2997, 0.3168 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

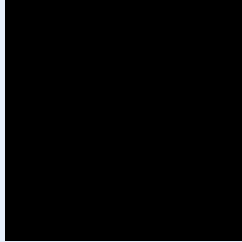
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

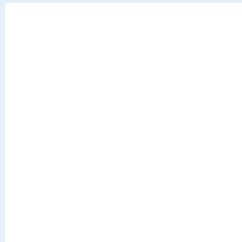
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 85.5210, 0.2997, 0.3168

Background



This preview shows how black text looks on a background with the Yxy color 85.5210, 0.2997, 0.3168.

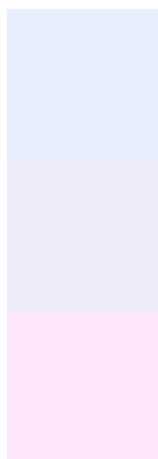


This preview shows how white text looks on a background with the Yxy color 85.5210, 0.2997, 0.3168.

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

85.5210, 0.2997, 0.3168

Protanopia

85.1812, 0.3067, 0.3160

Deuteranopia

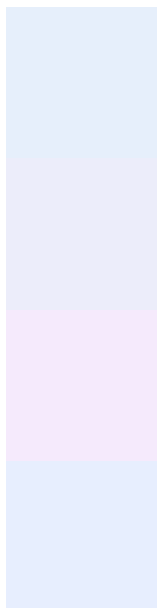
85.3145, 0.3144, 0.3077



Tritanopia

85.5249, 0.2987, 0.3119

Trichromacy



Original Color

85.5210, 0.2997, 0.3168

Protanomaly

85.3034, 0.3042, 0.3159

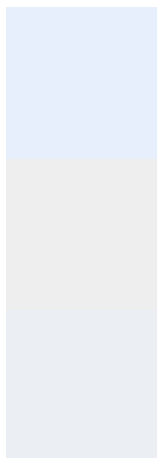
Deuteranomaly

85.2864, 0.3089, 0.3112

Tritanomaly

85.2938, 0.2986, 0.3128

Monochromacy



Original Color

85.5210, 0.2997, 0.3168

Achromatopsia

85.4993, 0.3127, 0.3290

Achromatomaly

85.2823, 0.3077, 0.3239

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.5210, 0.2997, 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(230, 239, 251)` looks like.

```
.text, #text, p{  
    color:rgb(230, 239, 251)  
}
```

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(230, 239, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 239, 251) }
```

Border

The CSS property to change the border of an element to Yxy 85.5210, 0.2997, 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(230, 239, 251) }
```

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

```
.border{ border-color:rgb(230, 239, 251) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 239, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 239, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 239, 251);  
box-shadow:4px 4px 4px 4px rgb(230, 239,  
251) }
```


Background

The CSS property to change the background color of an element to Yxy 85.5210, 0.2997, 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(230, 239, 251) }
```

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

```
.background{ background-color: rgb(230,  
239, 251) }
```

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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