

Converting Colors

$Yxy(85.2715, 0.2971, 0.3133)$

Have a look what the booklet for
Yxy(85.2715, 0.2971, 0.3133)
contains.

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Color

Yxy(85.5468, 0.2974, 0.3138)

Conversions

Conversions Part 1

Format	Color
Hex	E5EFFE
RGB	229, 239, 254
RGB Percent	90%, 94%, 100%
CMY	0.1018, 0.0628, 0.0040
CMYK	0.10, 0.06, 0.00, 0.00
HSL	216°, 92%, 95%
HSV	216°, 10%, 100%
XYZ	81.0759, 85.5468, 105.9930
YIQ	237.7200, -10.7750, 2.5450

Conversions

Conversions Part 2

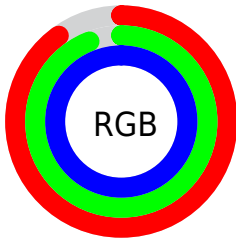
Format	Color
R_{YB}	229, 236, 254
Decimal	15069182
CIE Lab	94.12, -0.46, -8.36
CIE LCh	94, 8.368, 266.881
Yxy	85.5468, 0.2974, 0.3138
Android (android.graphics.Color)	4293259262 (0xFFE5EF)
YUV	237.7200, 8.0260, -7.6474
Hunter-Lab	92.4915, -5.3912, -3.2008

Details

The Yxy color **85.5468, 0.2974, 0.3138** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **91.4470, 0.3284, 0.3438**, and the grayscale version is **85.2213, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **46.7824, 0.2939, 0.3107** is the 20% darker color. If you saturate the color by 10%, you get **73.1107, 0.2809, 0.2965**, and if you desaturate by 10%, it is **99.3559, 0.3130, 0.3293**.

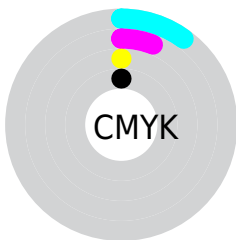
Distribution



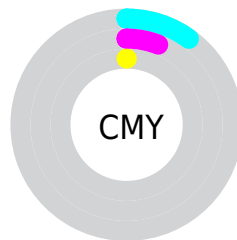
- Red (90%)
- Green (94%)
- Blue (100%)



- Red (90%)
- Yellow (93%)
- Blue (100%)



- Cyan (10%)
- Magenta (6%)
- Yellow (0%)
- Black (0%)



- Cyan (10%)
- Magenta (6%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 85.5468, 0.2974, 0.3138 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 85.5468, 0.2974, 0.3138 by changing the saturation by 10% instead.

85.5468, 0.2974,
0.3138

85.5468, 0.2974,
0.3138

513.4357, 0.3043,
0.3206

64.2933, 0.2959,
0.3123

141.1369, 0.2997,
0.3161

46.8883, 0.2940,
0.3104

176.2422, 0.3007,
0.3170

32.9473, 0.2917,
0.3081

216.7337, 0.3015,
0.3178

22.0861, 0.2888,
0.3052

262.9956, 0.3022,
0.3185

13.9202, 0.2848,
0.3013

315.4123, 0.3028,
0.3192

8.0652, 0.2794,
0.2958

374.3683, 0.3033,

4.1367, 0.2713,

0.3197

0.2877

440.2480, 0.3038,
0.3202

■ 1.7503, 0.2581,
0.2744

■ 0.4559, 0.2150,
0.2322

■ 85.5468, 0.2974,
0.3138

■ 85.5468, 0.2974,
0.3138

■ 73.1107, 0.2809,
0.2965

99.3559, 0.3130,
0.3293

■ 61.9917, 0.2638,
0.2773

99.9349, 0.3133,
0.3300

■ 52.1460, 0.2463,
0.2563

■ 43.5226, 0.2291,
0.2339

■ 36.0668, 0.2126,
0.2106

■ 29.7191, 0.1976,
0.1869

■ 24.4132, 0.1849,
0.1639

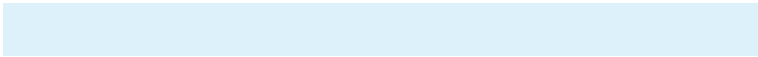
■ 20.0733, 0.1748,
0.1423

■ 16.5909, 0.1675,
0.1229

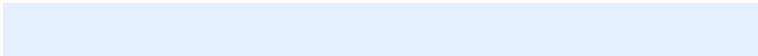
Harmonies

Analogous

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



85.5468, 0.2943, 0.3188



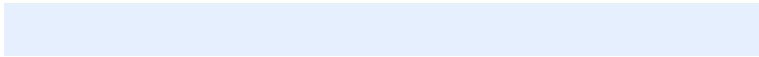
85.5468, 0.2974, 0.3138



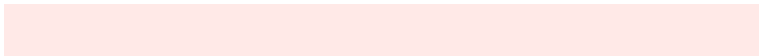
85.5468, 0.3046, 0.3129

Triad

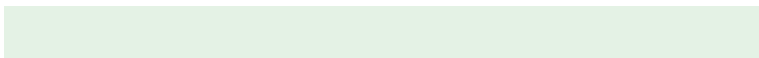
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



85.5468, 0.2974, 0.3138



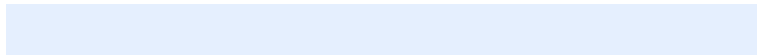
85.5468, 0.3297, 0.3310



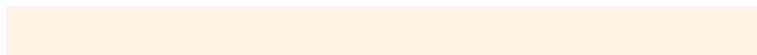
85.5468, 0.3112, 0.3423

Complementary

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



85.5468, 0.2974, 0.3138



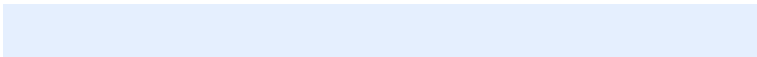
91.4470, 0.3284, 0.3438

Split Complementary

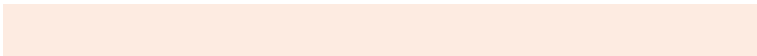
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



85.5468, 0.3207, 0.3456



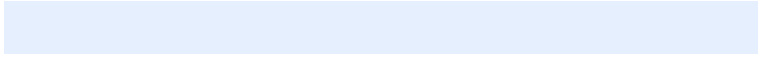
85.5468, 0.2974, 0.3138



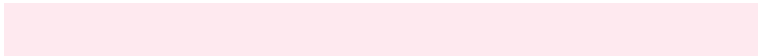
85.5468, 0.3315, 0.3389

Square

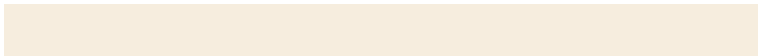
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



85.5468, 0.2974, 0.3138



85.5468, 0.3233, 0.3228



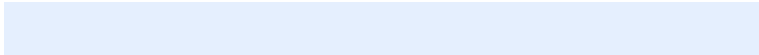
85.5468, 0.3282, 0.3443



85.5468, 0.3022, 0.3353

Rectangle

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



85.5468, 0.2974, 0.3138



85.5468, 0.3108, 0.3147



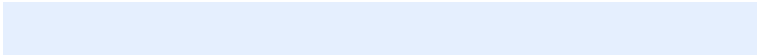
85.5468, 0.3282, 0.3443



85.5468, 0.3144, 0.3439

Sweetspot

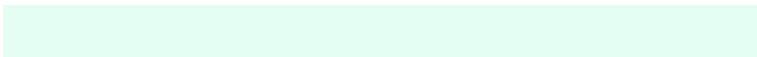
The Sweet Spot groups the original color and five complimentary colors.



85.5504, 0.2974, 0.3138



95.6800, 0.3081, 0.3245



94.0721, 0.3031, 0.3390



20.2369, 0.3069, 0.3233



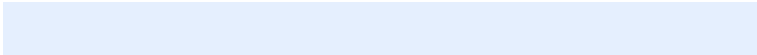
0.0000, 0.0000, 0.0000



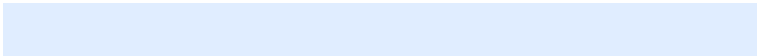
21.4041, 0.3127, 0.3290

Same Dimension

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



85.5504, 0.2974, 0.3138



83.4760, 0.2939, 0.3102



80.2930, 0.2989, 0.3037



18.5675, 0.2979, 0.3143



8.9876, 0.1682, 0.1256



1.0817, 0.1744, 0.1479

Inverse Universe

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



83.3604, 0.3235, 0.3192



80.8784, 0.3262, 0.3170



97.1357, 0.3258, 0.3534



18.1072, 0.3231, 0.3195



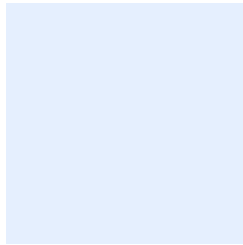
11.6353, 0.5388, 0.2742



1.1537, 0.5086, 0.2575

Previews

White Background



This preview shows how the Yxy color 85.5468, 0.2974, 0.3138 looks on a white background.

Color Contrast Check

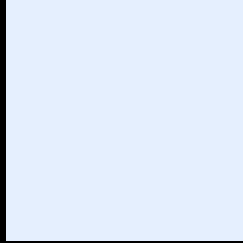
Large Text (above 18pt) WCAG AA × Fail

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 85.5468, 0.2974, 0.3138 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

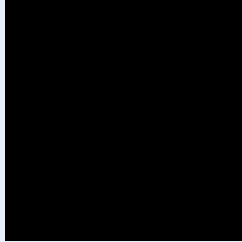
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

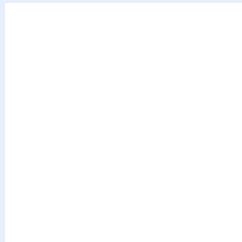
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 85.5468, 0.2974, 0.3138

Background



This preview shows how black text looks on a background with the Yxy color 85.5468, 0.2974, 0.3138.



This preview shows how white text looks on a background with the Yxy color 85.5468, 0.2974, 0.3138.

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

85.5468, 0.2974, 0.3138

Protanopia

85.1963, 0.3043, 0.3130

Deuteranopia

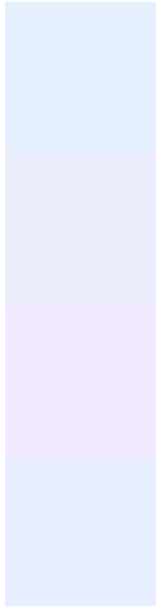
85.0673, 0.3118, 0.3057



Tritanopia

85.3580, 0.2980, 0.3118

Trichromacy



Original Color

85.5468, 0.2974, 0.3138

Protanomaly

85.3224, 0.3018, 0.3129

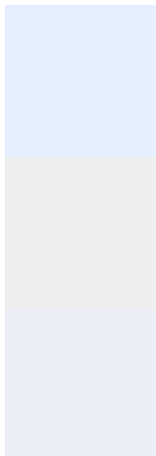
Deuteranomaly

85.2987, 0.3064, 0.3083

Tritanomaly

85.1921, 0.2974, 0.3118

Monochromacy



Original Color

85.5468, 0.2974, 0.3138

Achromatopsia

85.4993, 0.3127, 0.3290

Achromatomaly

85.3429, 0.3071, 0.3229

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.5468, 0.2974, 0.3138 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(229, 239, 254)` looks like.

```
.text, #text, p{  
    color:rgb(229, 239, 254)  
}
```

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(229, 239, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 239, 254) }
```

Border

The CSS property to change the border of an element to Yxy 85.5468, 0.2974, 0.3138 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(229, 239, 254) }
```

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

```
.border{ border-color:rgb(229, 239, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 239, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(229, 239, 254); -webkit-box-shadow:4px 4px 4px 4px rgb(229, 239, 254); box-shadow:4px 4px 4px 4px rgb(229, 239, 254) }
```


Background

The CSS property to change the background color of an element to Yxy 85.5468, 0.2974, 0.3138 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 239, 254) }
```

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

```
.background{ background-color: rgb(229,  
239, 254) }
```

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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