

Converting Colors

$Y_{xy}(85.7085, 0.2952, 0.3136)$

Have a look what the booklet for
Yxy(85.7085, 0.2952, 0.3136)
contains.

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Color

Yxy(85.7089, 0.2949, 0.3137)

Conversions

Conversions Part 1

Format	Color
Hex	E2F0FF
RGB	226, 240, 255
RGB Percent	89%, 94%, 100%
CMY	0.1138, 0.0588, 0.0000
CMYK	0.11, 0.06, 0.00, 0.00
HSL	211°, 100%, 94%
HSV	211°, 11%, 100%
XYZ	80.5724, 85.7089, 106.9380
YIQ	237.5240, -13.1590, 1.6970

Conversions

Conversions Part 2

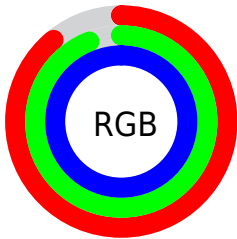
Format	Color
R _Y B	226, 235, 255
Decimal	14872831
CIE Lab	94.19, -1.74, -8.82
CIE LCh	94, 8.993, 258.853
Yxy	85.7089, 0.2949, 0.3137
Android (android.graphics.Color)	4293062911 (0xFFE2F0FF)
YUV	237.5240, 8.6157, -10.1065
Hunter-Lab	92.5791, -6.6634, -3.6805

Details

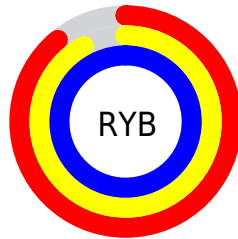
The Yxy color **85.7089, 0.2949, 0.3137** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **89.6387, 0.3314, 0.3438**, and the grayscale version is **85.0498, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **47.0161, 0.2916, 0.3107** is the 20% darker color. If you saturate the color by 10%, you get **74.4150, 0.2786, 0.2987**, and if you desaturate by 10%, it is **98.1804, 0.3106, 0.3273**.

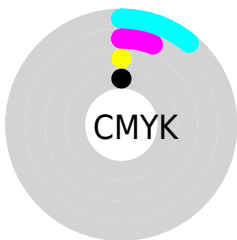
Distribution



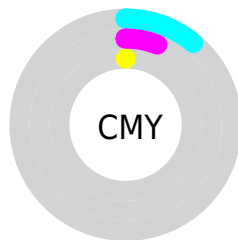
- Red (89%)
- Green (94%)
- Blue (100%)



- Red (89%)
- Yellow (92%)
- Blue (100%)



- Cyan (11%)
- Magenta (6%)
- Yellow (0%)
- Black (0%)



- Cyan (11%)
- Magenta (6%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 85.7089, 0.2949, 0.3137 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 85.7089, 0.2949, 0.3137 by changing the saturation by 10% instead.

85.7089, 0.2949,
0.3137

85.7089, 0.2949,
0.3137

513.9709, 0.3029,
0.3206

64.4273, 0.2931,
0.3122

141.3632, 0.2976,
0.3161

46.9968, 0.2910,
0.3103

176.5047, 0.2987,
0.3170

33.0332, 0.2883,
0.3080

217.0349, 0.2996,
0.3178

22.1518, 0.2849,
0.3050

263.3382, 0.3004,
0.3185

13.9685, 0.2804,
0.3010

315.7991, 0.3011,
0.3191

8.0988, 0.2741,
0.2954

374.8019, 0.3018,

4.1582, 0.2648,

0.3197

0.2872

440.7310, 0.3024,
0.3201

■ 1.7625, 0.2498,
0.2736

■ 0.4636, 0.1999,
0.2327

■ 85.7089, 0.2949,
0.3137

■ 85.7089, 0.2949,
0.3137

■ 74.4150, 0.2786,
0.2987

■ 98.1804, 0.3106,
0.3273

■ 64.2571, 0.2620,
0.2821

100.0000, 0.3127,
0.3290

■ 55.1950, 0.2454,
0.2640

■ 47.1844, 0.2293,
0.2448

■ 40.1777, 0.2142,
0.2247

■ 34.1225, 0.2007,
0.2042

■ 28.9599, 0.1894,
0.1840

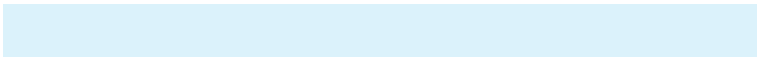
■ 24.6217, 0.1805,
0.1646

■ 21.4619, 0.1747,
0.1490

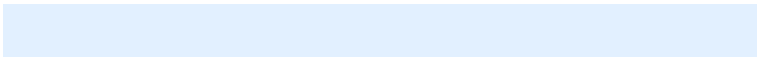
Harmonies

Analogous

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



85.7089, 0.2929, 0.3200



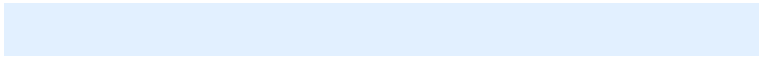
85.7089, 0.2949, 0.3137



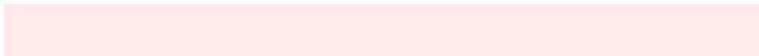
85.7089, 0.3016, 0.3115

Triad

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



85.7089, 0.2949, 0.3137



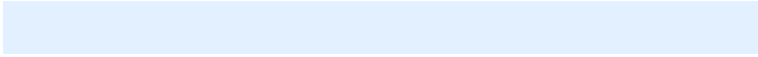
85.7089, 0.3295, 0.3287



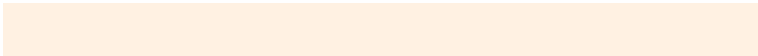
85.7089, 0.3139, 0.3448

Complementary

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



85.7089, 0.2949, 0.3137



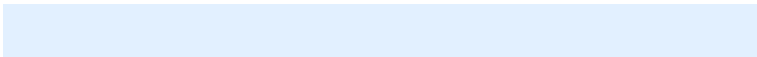
89.6387, 0.3314, 0.3438

Split Complementary

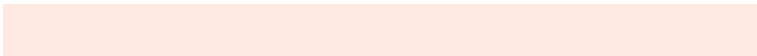
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



85.7089, 0.3238, 0.3470



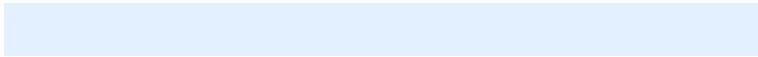
85.7089, 0.2949, 0.3137



85.7089, 0.3329, 0.3375

Square

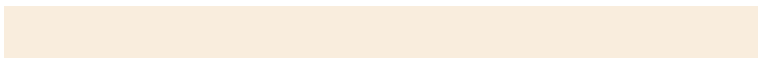
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



85.7089, 0.2949, 0.3137



85.7089, 0.3216, 0.3202



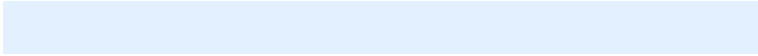
85.7089, 0.3308, 0.3442



85.7089, 0.3038, 0.3381

Rectangle

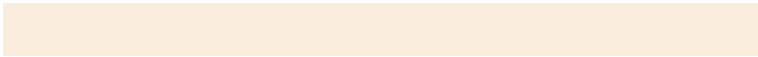
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



85.7089, 0.2949, 0.3137



85.7089, 0.3079, 0.3126



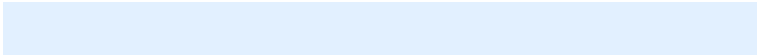
85.7089, 0.3308, 0.3442



85.7089, 0.3173, 0.3460

Sweetspot

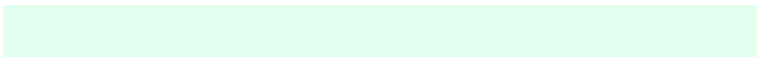
The Sweet Spot groups the original color and five complimentary colors.



85.7098, 0.2949, 0.3137



96.0829, 0.3081, 0.3252



94.0046, 0.3032, 0.3437



20.3456, 0.3069, 0.3241



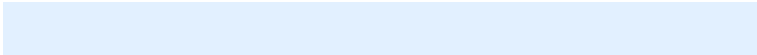
0.0000, 0.0000, 0.0000



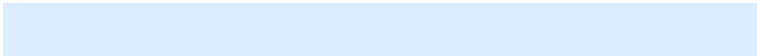
21.4041, 0.3127, 0.3290

Same Dimension

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



85.7098, 0.2949, 0.3137



82.6421, 0.2907, 0.3100



77.7623, 0.2947, 0.2992



18.8275, 0.2979, 0.3164



11.5102, 0.1755, 0.1519



1.3383, 0.1814, 0.1729

Inverse Universe

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



81.9298, 0.3238, 0.3152



78.1686, 0.3267, 0.3119



98.2695, 0.3298, 0.3572



18.1334, 0.3218, 0.3176



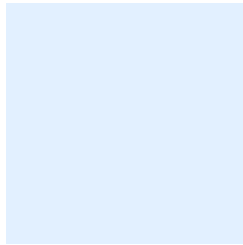
11.8899, 0.5034, 0.2547



1.1796, 0.4771, 0.2402

Previews

White Background



This preview shows how the Yxy color 85.7089, 0.2949, 0.3137 looks on a white background.

Color Contrast Check

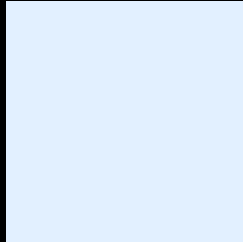
Large Text (above 18pt) WCAG AA × Fail

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 85.7089, 0.2949, 0.3137 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

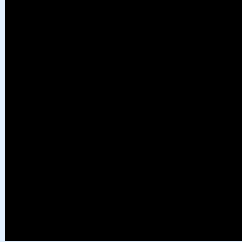
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

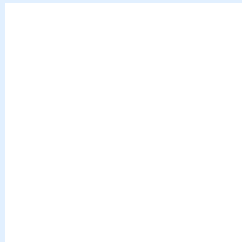
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 85.7089, 0.2949, 0.3137

Background



This preview shows how black text looks on a background with the Yxy color 85.7089, 0.2949, 0.3137.



This preview shows how white text looks on a background with the Yxy color 85.7089, 0.2949, 0.3137.

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

85.7089, 0.2949, 0.3137

Protanopia

85.8374, 0.3037, 0.3130

Deuteranopia

85.4425, 0.3111, 0.3066



Tritanopia

85.6110, 0.2968, 0.3128

Trichromacy



Original Color

85.7089, 0.2949, 0.3137

Protanomaly

85.7973, 0.3005, 0.3129

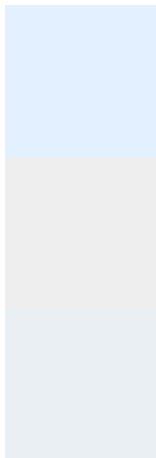
Deuteranomaly

85.5139, 0.3051, 0.3092

Tritanomaly

85.4470, 0.2962, 0.3128

Monochromacy



Original Color

85.7089, 0.2949, 0.3137

Achromatopsia

85.4993, 0.3127, 0.3290

Achromatomaly

85.7571, 0.3064, 0.3239

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.7089, 0.2949, 0.3137 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(226, 240, 255)` looks like.

```
.text, #text, p{  
    color:rgb(226, 240, 255)  
}
```

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(226, 240, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 240, 255) }
```

Border

The CSS property to change the border of an element to Yxy 85.7089, 0.2949, 0.3137 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(226, 240, 255) }
```

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

```
.border{ border-color:rgb(226, 240, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 240, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 240, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 240, 255);  
box-shadow:4px 4px 4px 4px rgb(226, 240,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 85.7089, 0.2949, 0.3137 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 240, 255) }
```

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

```
.background{ background-color: rgb(226,  
240, 255) }
```

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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