

Converting Colors

$Yxy(85.3228, 0.2923, 0.3166)$

Have a look what the booklet for
Yxy(85.3228, 0.2923, 0.3166)
contains.

Yxy(85.2181, 0.2924, 0.3166)	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(85.2181, 0.2924, 0.3166)

Conversions

Conversions Part 1

Format	Color
Hex	DCF1FD
RGB	220, 241, 253
RGB Percent	86%, 95%, 99%
CMY	0.1372, 0.0549, 0.0078
CMYK	0.13, 0.05, 0.00, 0.01
HSL	202°, 89%, 93%
HSV	202°, 13%, 99%
XYZ	78.7043, 85.2181, 105.2441
YIQ	236.0890, -16.3680, -0.7200

Conversions

Conversions Part 2

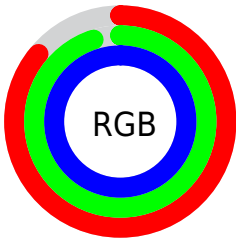
Format	Color
R _Y B	220, 233, 253
Decimal	14479869
CIE Lab	93.98, -4.52, -8.13
CIE LCh	94, 9.301, 240.952
Yxy	85.2181, 0.2924, 0.3166
Android (android.graphics.Color)	4292669949 (0xFFDC F1FD)
YUV	236.0890, 8.3371, -14.1101
Hunter-Lab	92.3137, -9.3643, -2.9752

Details

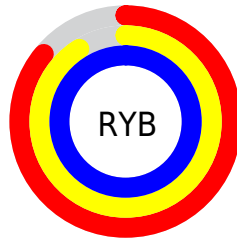
The Yxy color **85.2181, 0.2924, 0.3166** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **83.7837, 0.3350, 0.3411**, and the grayscale version is **83.9008, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **46.6828, 0.2884, 0.3144** is the 20% darker color. If you saturate the color by 10%, you get **76.2508, 0.2767, 0.3059**, and if you desaturate by 10%, it is **95.0658, 0.3080, 0.3263**.

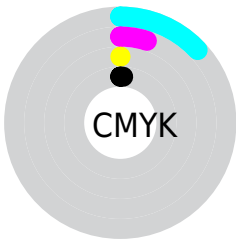
Distribution



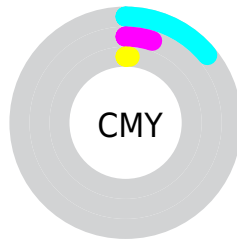
- Red (86%)
- Green (95%)
- Blue (99%)



- Red (86%)
- Yellow (91%)
- Blue (99%)



- Cyan (13%)
- Magenta (5%)
- Yellow (0%)
- Black (1%)



- Cyan (14%)
- Magenta (5%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 85.2181, 0.2924, 0.3166 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 85.2181, 0.2924, 0.3166 by changing the saturation by 10% instead.

85.2181, 0.2924,
0.3166

85.2181, 0.2924,
0.3166

512.3495, 0.3015,
0.3222

64.0216, 0.2904,
0.3153

140.6779, 0.2955,
0.3185

46.6682, 0.2880,
0.3138

175.7099, 0.2967,
0.3193

32.7734, 0.2849,
0.3119

216.1226, 0.2978,
0.3199

21.9529, 0.2810,
0.3094

262.3003, 0.2987,
0.3205

13.8223, 0.2759,
0.3060

314.6275, 0.2995,
0.3210

7.9972, 0.2687,
0.3013

373.4885, 0.3002,

4.0931, 0.2582,

0.3215

0.2942

439.2677, 0.3009,
0.3219

■ 1.7258, 0.2412,
0.2823

■ 0.4403, 0.1714,
0.2448

■ 85.2181, 0.2924,
0.3166

■ 85.2181, 0.2924,
0.3166

■ 76.2508, 0.2767,
0.3059

■ 95.0658, 0.3080,
0.3263

■ 68.1225, 0.2612,
0.2943

99.8731, 0.3139,
0.3309

■ 60.8037, 0.2462,
0.2817

■ 54.2590, 0.2322,
0.2684

■ 48.4496, 0.2196,
0.2545

■ 43.3321, 0.2087,
0.2403

■ 38.8574, 0.1999,
0.2261

■ 34.9662, 0.1932,
0.2121

■ 32.5466, 0.1896,
0.2026

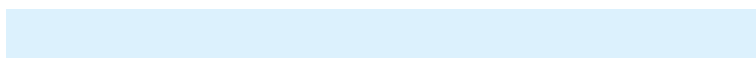
Harmonies

Analogous

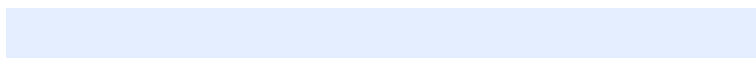
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.2181, 0.2936, 0.3250



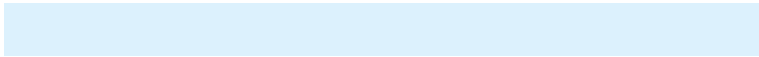
85.2181, 0.2924, 0.3166



85.2181, 0.2965, 0.3117

Triad

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



85.2181, 0.2924, 0.3166



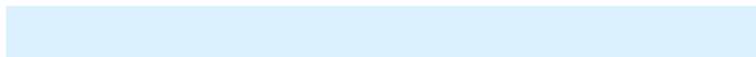
85.2181, 0.3257, 0.3232



85.2181, 0.3202, 0.3473

Complementary

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



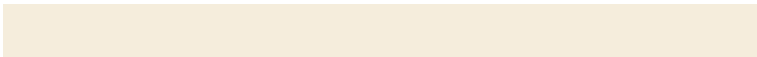
85.2181, 0.2924, 0.3166



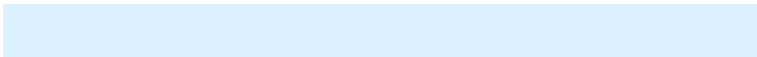
83.7837, 0.3350, 0.3411

Split Complementary

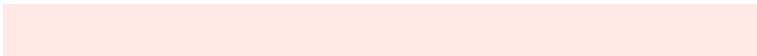
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



85.2181, 0.3290, 0.3465



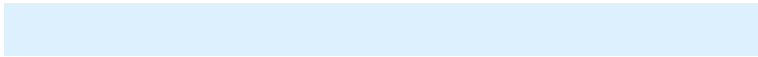
85.2181, 0.2924, 0.3166



85.2181, 0.3322, 0.3325

Square

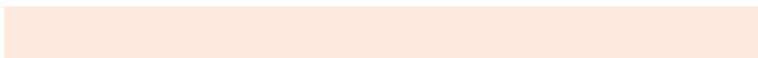
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



85.2181, 0.2924, 0.3166



85.2181, 0.3157, 0.3156



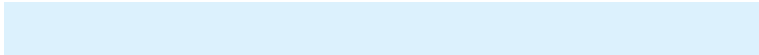
85.2181, 0.3335, 0.3410



85.2181, 0.3095, 0.3430

Rectangle

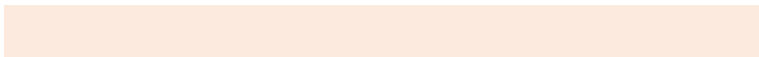
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



85.2181, 0.2924, 0.3166



85.2181, 0.3018, 0.3109



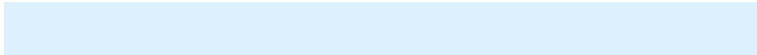
85.2181, 0.3335, 0.3410



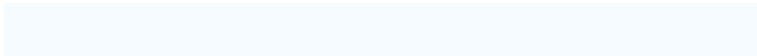
85.2181, 0.3235, 0.3476

Sweetspot

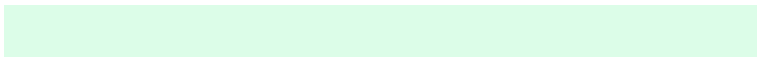
The Sweet Spot groups the original color and five complimentary colors.



85.2216, 0.2924, 0.3166



95.7698, 0.3065, 0.3254



91.2816, 0.3046, 0.3512



20.3319, 0.3054, 0.3247



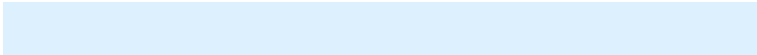
0.0000, 0.0000, 0.0000



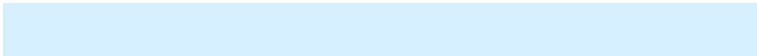
21.4041, 0.3127, 0.3290

Same Dimension

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



85.2216, 0.2924, 0.3166



83.9518, 0.2877, 0.3136



76.1402, 0.2919, 0.2997



19.3039, 0.2980, 0.3201



17.5977, 0.1902, 0.2048



1.9215, 0.1946, 0.2206

Inverse Universe

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



78.4292, 0.3222, 0.3082



75.7543, 0.3247, 0.3033



93.2309, 0.3329, 0.3567



18.1815, 0.3194, 0.3140



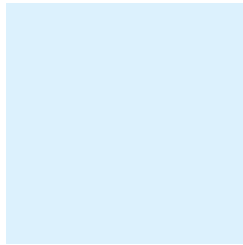
12.5045, 0.4398, 0.2197



1.2385, 0.4226, 0.2102

Previews

White Background



This preview shows how the Yxy color 85.2181, 0.2924, 0.3166 looks on a white background.

Color Contrast Check

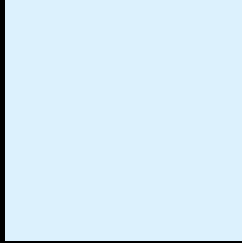
Large Text (above 18pt) WCAG AA × Fail

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 85.2181, 0.2924, 0.3166 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

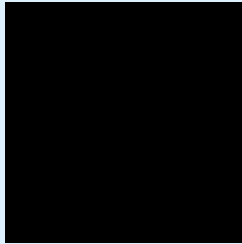
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

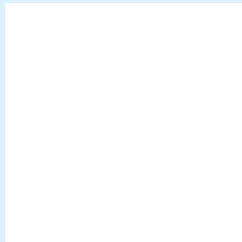
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 85.2181, 0.2924, 0.3166

Background



This preview shows how black text looks on a background with the Yxy color 85.2181, 0.2924, 0.3166.

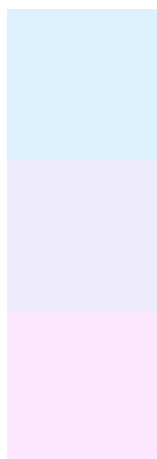


This preview shows how white text looks on a background with the Yxy color 85.2181, 0.2924, 0.3166.

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

85.2181, 0.2924, 0.3166

Protanopia

85.0702, 0.3055, 0.3150

Deuteranopia

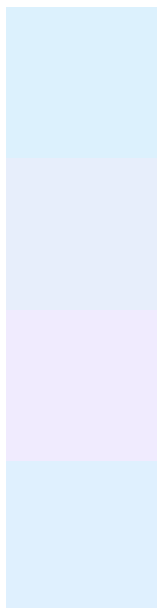
85.0673, 0.3118, 0.3057



Tritanopia

85.3875, 0.2937, 0.3137

Trichromacy



Original Color

85.2181, 0.2924, 0.3166

Protanomaly

85.1030, 0.3004, 0.3158

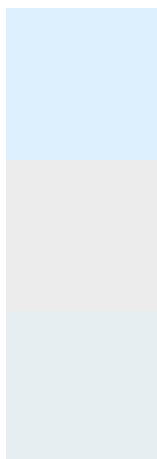
Deuteranomaly

85.0977, 0.3044, 0.3101

Tritanomaly

85.1639, 0.2937, 0.3147

Monochromacy



Original Color

85.2181, 0.2924, 0.3166

Achromatopsia

83.8799, 0.3127, 0.3290

Achromatomaly

84.3829, 0.3051, 0.3249

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.2181, 0.2924, 0.3166 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(220, 241, 253)` looks like.

```
.text, #text, p{  
    color:rgb(220, 241, 253)  
}
```

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(220, 241, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 241, 253) }
```

Border

The CSS property to change the border of an element to Yxy 85.2181, 0.2924, 0.3166 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(220, 241, 253) }
```

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

```
.border{ border-color:rgb(220, 241, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 241, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 241, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 241, 253);  
box-shadow:4px 4px 4px 4px rgb(220, 241,  
253) }
```


Background

The CSS property to change the background color of an element to Yxy 85.2181, 0.2924, 0.3166 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 241, 253) }
```

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

```
.background{ background-color: rgb(220,  
241, 253) }
```

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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