

# Converting Colors

$Y_{xy}(85.3002, 0.2974, 0.3270)$

Have a look what the booklet for  
Yxy(85.3002, 0.2974, 0.3270)  
contains.

<b>Yxy(85.2516, 0.2975, 0.3269)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(85.2516, 0.2975, 0.3269)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DCF2F4
RGB	220, 242, 244
RGB Percent	86%, 95%, 96%
CMY	0.1375, 0.0509, 0.0431
CMYK	0.10, 0.01, 0.00, 0.04
HSL	185°, 52%, 91%
HSV	185°, 10%, 96%
XYZ	77.5844, 85.2516, 97.9520
YIQ	235.6500, -13.7540, -4.0420

# Conversions

## Conversions Part 2

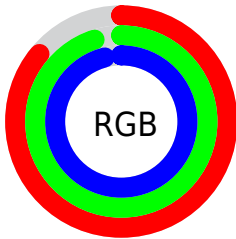
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	220, 231, 244
Decimal	14480116
CIE Lab	93.99, -6.82, -3.43
CIE LCh	94, 7.630, 206.710
Yxy	85.2516, 0.2975, 0.3269
Android (android.graphics.Color)	4292670196 (0xFFDCF2F4)
YUV	235.6500, 4.1165, -13.7251
Hunter-Lab	92.3318, -11.5909, 1.7333

# Details

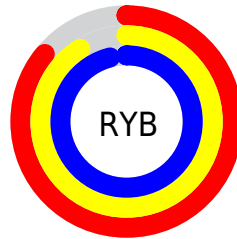
The Yxy color **85.2516, 0.2975, 0.3269** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **76.6027, 0.3299, 0.3311**, and the grayscale version is **83.5712, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **46.7480, 0.2942, 0.3263** is the 20% darker color. If you saturate the color by 10%, you get **80.5336, 0.2827, 0.3246**, and if you desaturate by 10%, it is **90.5455, 0.3129, 0.3290**.

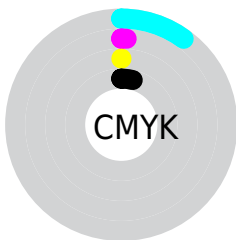
# Distribution



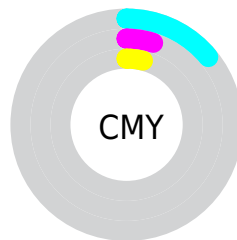
- Red (86%)
- Green (95%)
- Blue (96%)



- Red (86%)
- Yellow (91%)
- Blue (96%)



- Cyan (10%)
- Magenta (1%)
- Yellow (0%)
- Black (4%)




- Cyan (14%)
- Magenta (5%)
- Yellow (4%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 85.2516, 0.2975, 0.3269 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 85.2516, 0.2975, 0.3269 by changing the saturation by 10% instead.



 85.2516, 0.2975,  
0.3269

 85.2516, 0.2975,  
0.3269


512.4602, 0.3043,  
0.3279

 64.0493, 0.2960,  
0.3267

140.7246, 0.2998,  
0.3272

 46.6906, 0.2942,  
0.3264


175.7642, 0.3007,  
0.3274

 32.7911, 0.2919,  
0.3260


216.1849, 0.3015,  
0.3275

 21.9665, 0.2889,  
0.3255

262.3712, 0.3022,  
0.3276

 13.8323, 0.2850,  
0.3249

314.7075, 0.3028,  
0.3277

 8.0041, 0.2796,  
0.3239

373.5782, 0.3034,

 4.0976, 0.2715,

0.3278

0.3224

439.3676, 0.3039,  
0.3278

■ 1.7283, 0.2583,  
0.3197

■ 0.4419, 0.1791,  
0.3120

■ 85.2516, 0.2975,  
0.3269

■ 85.2516, 0.2975,  
0.3269

■ 80.5336, 0.2827,  
0.3246

■ 90.5455, 0.3129,  
0.3290

■ 76.3566, 0.2688,  
0.3221

■ 93.7254, 0.3197,  
0.3310

■ 72.6987, 0.2562,  
0.3195

■ 94.9542, 0.3196,  
0.3329

■ 69.5318, 0.2452,  
0.3167

■ 96.1963, 0.3194,  
0.3348

■ 66.8253, 0.2359,  
0.3139

■ 97.4517, 0.3193,  
0.3368

■ 64.5452, 0.2285,  
0.3111

■ 98.7204, 0.3192,  
0.3387

■ 62.6525, 0.2230,  
0.3082

■ 99.3116, 0.3191,  
0.3396

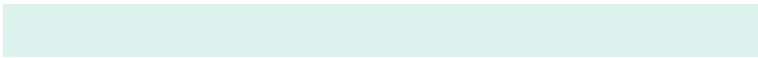
■ 61.1008, 0.2195,  
0.3054

■ 59.8138, 0.2174,  
0.3026

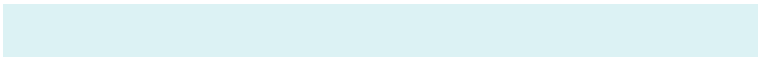
# Harmonies

## Analogous

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



85.2516, 0.3031, 0.3348



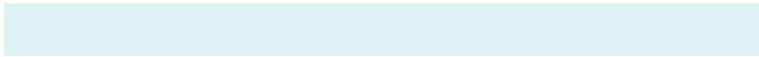
85.2516, 0.2975, 0.3269



85.2516, 0.2959, 0.3197

# Triad

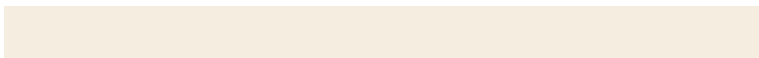
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



85.2516, 0.2975, 0.3269



85.2516, 0.3139, 0.3173



85.2516, 0.3269, 0.3429

# Complementary

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



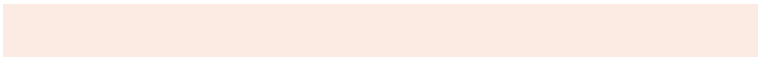
85.2516, 0.2975, 0.3269



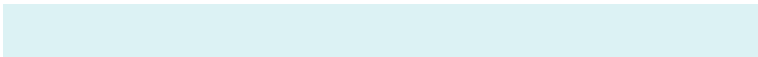
76.6027, 0.3299, 0.3311

# 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.



85.2516, 0.3299, 0.3380



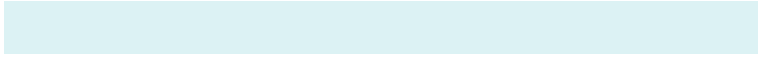
85.2516, 0.2975, 0.3269



85.2516, 0.3223, 0.3233

# Square

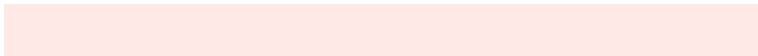
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



85.2516, 0.2975, 0.3269



85.2516, 0.3053, 0.3143



85.2516, 0.3282, 0.3308



85.2516, 0.3201, 0.3442

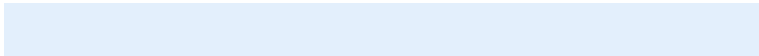


# Rectangle

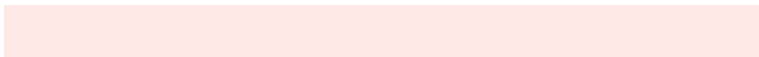
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



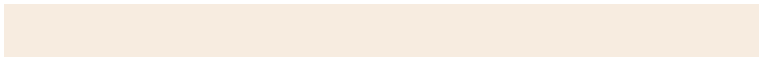
85.2516, 0.2975, 0.3269



85.2516, 0.2973, 0.3163



85.2516, 0.3282, 0.3308



85.2516, 0.3284, 0.3417

# Sweetspot

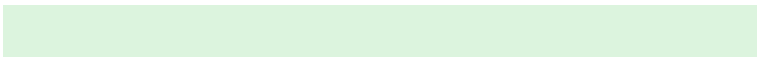
The Sweet Spot groups the original color and five complimentary colors.



85.2552, 0.2975, 0.3269



98.1767, 0.3080, 0.3284



85.1586, 0.3106, 0.3528



20.9117, 0.3068, 0.3282



0.0000, 0.0000, 0.0000

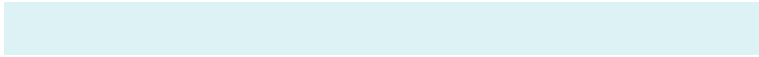


21.4041, 0.3127, 0.3290

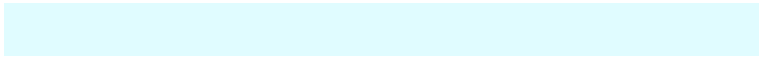


# Same Dimension

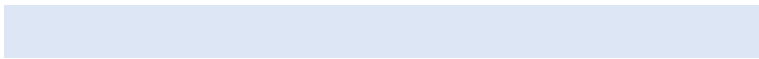
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.2552, 0.2975, 0.3269



93.0546, 0.2942, 0.3264



78.5398, 0.2974, 0.3147



18.5107, 0.2981, 0.3270



32.6116, 0.2175, 0.3030



2.9339, 0.2185, 0.3065



# Inverse Universe

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



76.8049, 0.3152, 0.3067



81.8454, 0.3157, 0.3017



83.0031, 0.3286, 0.3429



16.7434, 0.3151, 0.3076



13.3915, 0.3428, 0.1662

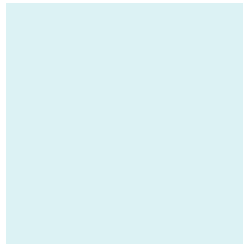


1.1838, 0.3397, 0.1645



# Previews

## White Background



This preview shows how the Yxy color 85.2516, 0.2975, 0.3269 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

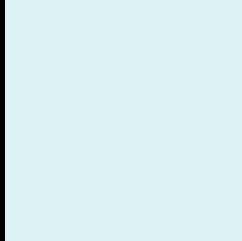
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 85.2516, 0.2975, 0.3269 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

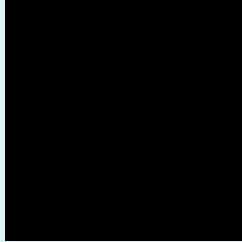
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

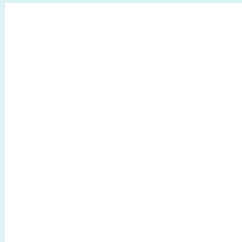
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 85.2516, 0.2975, 0.3269**

## **Background**



This preview shows how black text looks on a background with the Yxy color 85.2516, 0.2975, 0.3269.

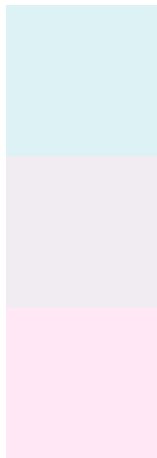


This preview shows how white text looks on a background with the Yxy color 85.2516, 0.2975, 0.3269.

# 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

85.2516, 0.2975, 0.3269

### Protanopia

85.0426, 0.3130, 0.3240

### Deuteranopia

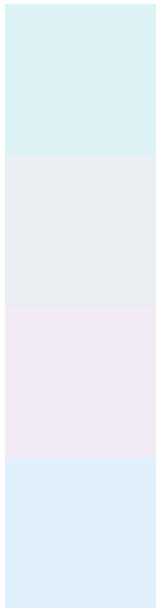
85.0656, 0.3195, 0.3144



## Tritanopia

84.9606, 0.2943, 0.3127

# Trichromacy



## Original Color

85.2516, 0.2975, 0.3269

## Protanomaly

84.8835, 0.3070, 0.3249

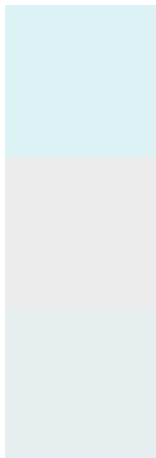
## Deuteranomaly

84.8865, 0.3112, 0.3190

## Tritanomaly

84.9732, 0.2954, 0.3177

# Monochromacy



## Original Color

85.2516, 0.2975, 0.3269

## Achromatopsia

83.8799, 0.3127, 0.3290

## Achromatomaly

84.2041, 0.3069, 0.3280

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 85.2516, 0.2975, 0.3269 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, 242, 244)` looks like.

```
.text, #text, p{  
    color:rgb(220, 242, 244)  
}
```

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, 242, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 242, 244) }
```

## Border

The CSS property to change the border of an element to Yxy 85.2516, 0.2975, 0.3269 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, 242, 244) }
```

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

```
.border{ border-color:rgb(220, 242, 244) }
```

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

Here you see how a box with a 4 pixel rgb(220, 242, 244) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 242, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 242, 244);  
box-shadow:4px 4px 4px 4px rgb(220, 242,  
244) }
```



# Background

The CSS property to change the background color of an element to Yxy 85.2516, 0.2975, 0.3269 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 242, 244) }
```

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

```
.background{ background-color: rgb(220,  
242, 244) }
```

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