

Converting Colors

$Yxy(83.2888, 0.2937, 0.3195)$

Have a look what the booklet for
Yxy(83.2888, 0.2937, 0.3195)
contains.

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Color

Yxy(83.4157, 0.2940, 0.3196)

Conversions

Conversions Part 1

Format	Color
Hex	DAEFF8
RGB	218, 239, 248
RGB Percent	85%, 94%, 97%
CMY	0.1449, 0.0628, 0.0275
CMYK	0.12, 0.04, 0.00, 0.03
HSL	198°, 68%, 91%
HSV	198°, 12%, 97%
XYZ	76.7341, 83.4157, 100.8505
YIQ	233.7470, -15.4050, -1.6530

Conversions

Conversions Part 2

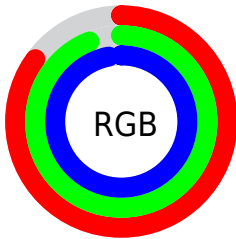
Format	Color
R _Y B	218, 230, 248
Decimal	14348280
CIE Lab	93.20, -5.10, -6.69
CIE LCh	93, 8.410, 232.660
Yxy	83.4157, 0.2940, 0.3196
Android (android.graphics.Color)	4292538360 (0xFFDAEFF8)
YUV	233.7470, 7.0267, -13.8101
Hunter-Lab	91.3322, -9.8619, -1.5365

Details

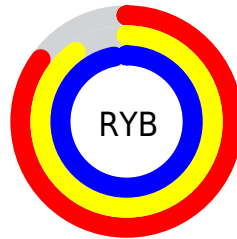
The Yxy color **83.4157, 0.2940, 0.3196** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **79.9868, 0.3334, 0.3382**, and the grayscale version is **82.0411, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.4593, 0.2896, 0.3169** is the 20% darker color. If you saturate the color by 10%, you get **75.6019, 0.2785, 0.3109**, and if you desaturate by 10%, it is **91.9884, 0.3095, 0.3275**.

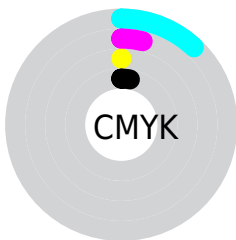
Distribution



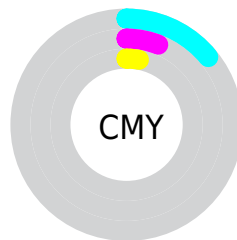
- Red (85%)
- Green (94%)
- Blue (97%)



- Red (85%)
- Yellow (90%)
- Blue (97%)



- Cyan (12%)
- Magenta (4%)
- Yellow (0%)
- Black (3%)



- Cyan (14%)
- Magenta (6%)
- Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 83.4157, 0.2940, 0.3196 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 83.4157, 0.2940, 0.3196 by changing the saturation by 10% instead.

83.4157, 0.2940,
0.3196

83.4157, 0.2940,
0.3196

506.3709, 0.3024,
0.3239

62.5331, 0.2921,
0.3186

138.1575, 0.2969,
0.3211

45.4636, 0.2899,
0.3174

172.7856, 0.2980,
0.3217

31.8228, 0.2870,
0.3159

212.7643, 0.2990,
0.3222

21.2262, 0.2834,
0.3140

258.4780, 0.2998,
0.3226

13.2894, 0.2785,
0.3114

310.3111, 0.3006,
0.3230

7.6281, 0.2718,
0.3076

368.6480, 0.3013,

3.8579, 0.2618,

0.3233

0.3019

433.8732, 0.3019,
0.3236

■ 1.5944, 0.2453,
0.2922

■ 0.3538, 0.1493,
0.2495

■ 83.4157, 0.2940,
0.3196

■ 83.4157, 0.2940,
0.3196

■ 75.6019, 0.2785,
0.3109

■ 91.9884, 0.3095,
0.3275

■ 68.5092, 0.2635,
0.3015

■ 98.8553, 0.3168,
0.3347

■ 62.1117, 0.2491,
0.2913

■ 99.5564, 0.3168,
0.3357

■ 56.3775, 0.2358,
0.2806

■ 51.2720, 0.2239,
0.2694

■ 46.7563, 0.2138,
0.2579

■ 42.7862, 0.2057,
0.2463

■ 39.3087, 0.1997,
0.2349

■ 36.8377, 0.1961,
0.2260

Harmonies

Analogous

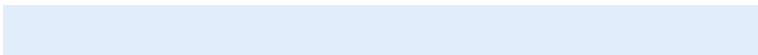
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.4157, 0.2964, 0.3278



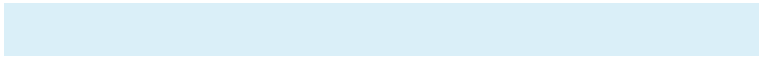
83.4157, 0.2940, 0.3196



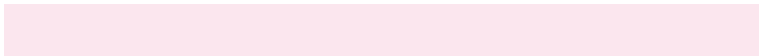
83.4157, 0.2965, 0.3141

Triad

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



83.4157, 0.2940, 0.3196



83.4157, 0.3222, 0.3216



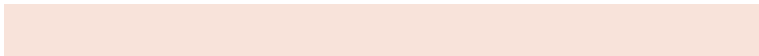
83.4157, 0.3221, 0.3459

Complementary

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



83.4157, 0.2940, 0.3196



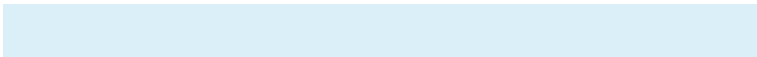
79.9868, 0.3334, 0.3382

Split Complementary

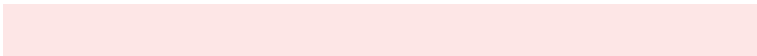
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



83.4157, 0.3292, 0.3439



83.4157, 0.2940, 0.3196



83.4157, 0.3293, 0.3298

Square

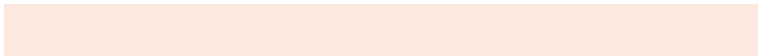
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



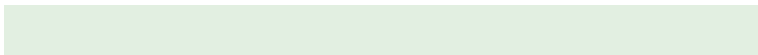
83.4157, 0.2940, 0.3196



83.4157, 0.3127, 0.3153



83.4157, 0.3318, 0.3380



83.4157, 0.3126, 0.3433

Rectangle

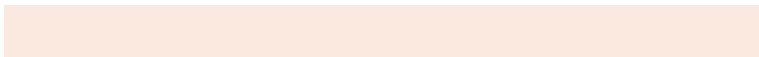
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



83.4157, 0.2940, 0.3196



83.4157, 0.3006, 0.3126



83.4157, 0.3318, 0.3380



83.4157, 0.3248, 0.3458

Sweetspot

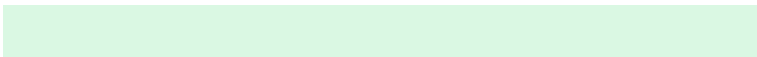
The Sweet Spot groups the original color and five complimentary colors.



83.4192, 0.2940, 0.3196



96.1761, 0.3065, 0.3260



87.5889, 0.3060, 0.3510



20.4349, 0.3054, 0.3254



0.0000, 0.0000, 0.0000



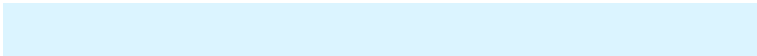
21.4041, 0.3127, 0.3290

Same Dimension

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



83.4192, 0.2940, 0.3196



87.1908, 0.2910, 0.3180



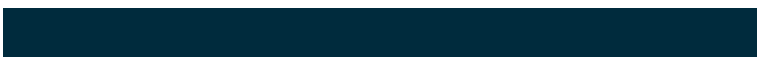
75.0268, 0.2937, 0.3037



18.6762, 0.2980, 0.3217



20.1598, 0.1966, 0.2278



2.0528, 0.2004, 0.2413

Inverse Universe

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



76.3594, 0.3201, 0.3080



78.6278, 0.3215, 0.3045



88.5236, 0.3315, 0.3531



17.4305, 0.3184, 0.3126



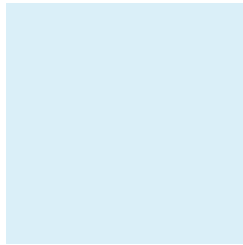
12.4460, 0.4150, 0.2060



1.1715, 0.4010, 0.1983

Previews

White Background



This preview shows how the Yxy color 83.4157, 0.2940, 0.3196 looks on a white background.

Color Contrast Check

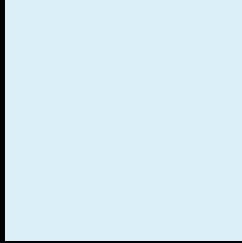
Large Text (above 18pt) WCAG AA × Fail

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 83.4157, 0.2940, 0.3196 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

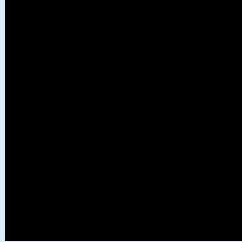
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

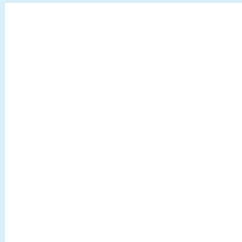
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 83.4157, 0.2940, 0.3196

Background



This preview shows how black text looks on a background with the Yxy color 83.4157, 0.2940, 0.3196.

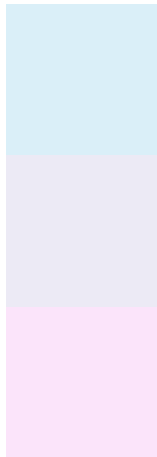


This preview shows how white text looks on a background with the Yxy color 83.4157, 0.2940, 0.3196.

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

83.4157, 0.2940, 0.3196

Protanopia

83.2711, 0.3073, 0.3178

Deuteranopia

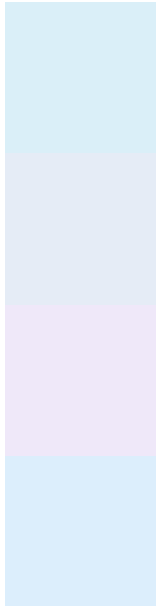
82.8982, 0.3144, 0.3074



Tritanopia

83.1605, 0.2918, 0.3105

Trichromacy



Original Color

83.4157, 0.2940, 0.3196

Protanomaly

83.3027, 0.3021, 0.3187

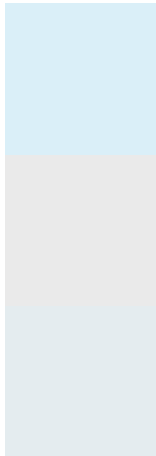
Deuteranomaly

82.9035, 0.3068, 0.3119

Tritanomaly

83.3930, 0.2929, 0.3145

Monochromacy



Original Color

83.4157, 0.2940, 0.3196

Achromatopsia

82.2786, 0.3127, 0.3290

Achromatomaly

82.7169, 0.3056, 0.3259

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.4157, 0.2940, 0.3196 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(218, 239, 248)` looks like.

```
.text, #text, p{  
    color:rgb(218, 239, 248)  
}
```

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(218, 239, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 239, 248) }
```

Border

The CSS property to change the border of an element to Yxy 83.4157, 0.2940, 0.3196 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(218, 239, 248) }
```

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

```
.border{ border-color:rgb(218, 239, 248) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 239, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(218, 239, 248); -webkit-box-shadow:4px 4px 4px 4px rgb(218, 239, 248); box-shadow:4px 4px 4px 4px rgb(218, 239, 248) }
```


Background

The CSS property to change the background color of an element to Yxy 83.4157, 0.2940, 0.3196 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 239, 248) }
```

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

```
.background{ background-color: rgb(218,  
239, 248) }
```

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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