

Converting Colors

$Yxy(83.6132, 0.2956, 0.3233)$

Have a look what the booklet for
Yxy(83.6132, 0.2956, 0.3233)
contains.

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Color

Yxy(83.8182, 0.2957, 0.3237)

Conversions

Conversions Part 1

Format	Color
Hex	DAF0F5
RGB	218, 240, 245
RGB Percent	85%, 94%, 96%
CMY	0.1449, 0.0589, 0.0391
CMYK	0.11, 0.02, 0.00, 0.04
HSL	191°, 58%, 91%
HSV	191°, 11%, 96%
XYZ	76.5679, 83.8182, 98.5518
YIQ	233.9920, -14.7170, -3.1090

Conversions

Conversions Part 2

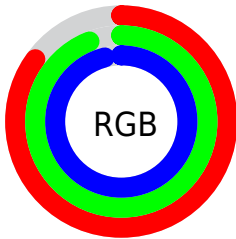
Format	Color
R _Y B	218, 230, 245
Decimal	14348533
CIE Lab	93.37, -6.19, -4.89
CIE LCh	93, 7.892, 218.302
Yxy	83.8182, 0.2957, 0.3237
Android (android.graphics.Color)	4292538613 (0xFFDAF0F5)
YUV	233.9920, 5.4269, -14.0250
Hunter-Lab	91.5523, -10.9315, 0.2637

Details

The Yxy color **83.8182, 0.2957, 0.3237** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **77.3023, 0.3318, 0.3342**, and the grayscale version is **82.2480, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.7416, 0.2918, 0.3222** is the 20% darker color. If you saturate the color by 10%, you get **77.6583, 0.2806, 0.3184**, and if you desaturate by 10%, it is **90.6115, 0.3111, 0.3285**.

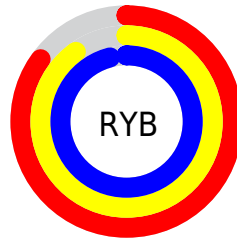
Distribution



Red (85%)

Green (94%)

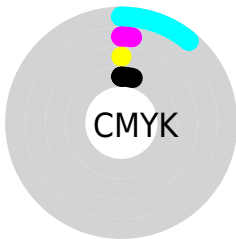
Blue (96%)



Red (85%)

Yellow (90%)

Blue (96%)

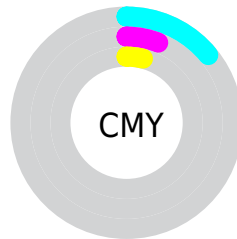


Cyan (11%)

Magenta (2%)

Yellow (0%)

Black (4%)



Cyan (14%)

Magenta (6%)

Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 83.8182, 0.2957, 0.3237 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 83.8182, 0.2957, 0.3237 by changing the saturation by 10% instead.

83.8182, 0.2957,
0.3237

83.8182, 0.2957,
0.3237

507.7093, 0.3033,
0.3262

62.8654, 0.2940,
0.3231

138.7208, 0.2983,
0.3245

45.7323, 0.2919,
0.3225

173.4394, 0.2993,
0.3249

32.0346, 0.2894,
0.3216

213.5154, 0.3002,
0.3252

21.3879, 0.2860,
0.3205

259.3331, 0.3010,
0.3254

13.4079, 0.2816,
0.3189

311.2769, 0.3017,
0.3256

7.7100, 0.2755,
0.3167

369.7313, 0.3023,

3.9100, 0.2664,

0.3258

0.3133

435.0807, 0.3029,
0.3260

■ 1.6233, 0.2513,
0.3074

■ 0.3732, 0.1536,
0.2817

■ 83.8182, 0.2957,
0.3237

■ 83.8182, 0.2957,
0.3237

■ 77.6583, 0.2806,
0.3184

■ 90.6115, 0.3111,
0.3285

■ 72.0963, 0.2662,
0.3127

■ 95.6934, 0.3189,
0.3330

■ 67.1091, 0.2528,
0.3066

■ 98.5586, 0.3186,
0.3373

■ 62.6678, 0.2408,
0.3001

■ 99.3744, 0.3185,
0.3386

■ 58.7406, 0.2303,
0.2935

■ 55.2920, 0.2217,
0.2867

■ 52.2816, 0.2151,
0.2798

■ 49.6609, 0.2104,
0.2730

■ 47.5687, 0.2075,
0.2670

Harmonies

Analogous

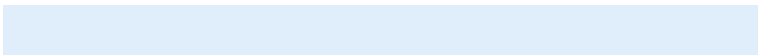
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.8182, 0.3001, 0.3319



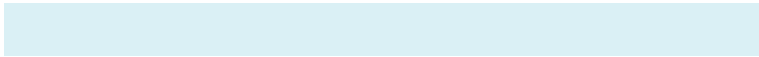
83.8182, 0.2957, 0.3237



83.8182, 0.2958, 0.3171

Triad

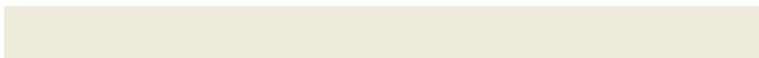
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.8182, 0.2957, 0.3237



83.8182, 0.3175, 0.3189



83.8182, 0.3251, 0.3445

Complementary

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



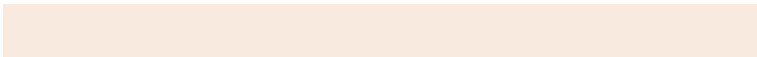
83.8182, 0.2957, 0.3237



77.3023, 0.3318, 0.3342

Split Complementary

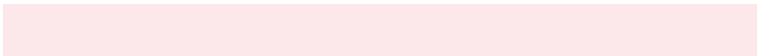
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



83.8182, 0.3299, 0.3407



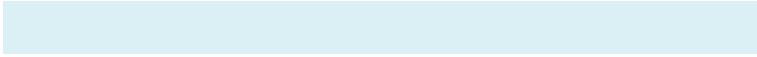
83.8182, 0.2957, 0.3237



83.8182, 0.3255, 0.3260

Square

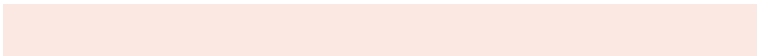
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



83.8182, 0.2957, 0.3237



83.8182, 0.3083, 0.3145



83.8182, 0.3301, 0.3339



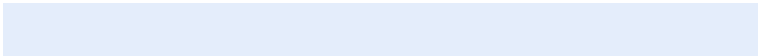
83.8182, 0.3170, 0.3441

Rectangle

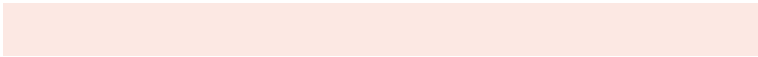
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



83.8182, 0.2957, 0.3237



83.8182, 0.2984, 0.3144



83.8182, 0.3301, 0.3339



83.8182, 0.3271, 0.3437

Sweetspot

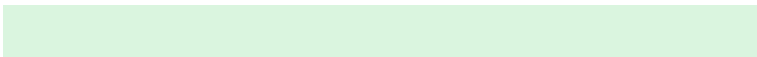
The Sweet Spot groups the original color and five complimentary colors.



83.8217, 0.2957, 0.3237



97.6698, 0.3080, 0.3276



85.5625, 0.3085, 0.3523



20.7744, 0.3068, 0.3272



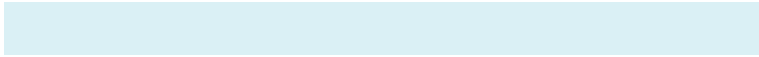
0.0000, 0.0000, 0.0000



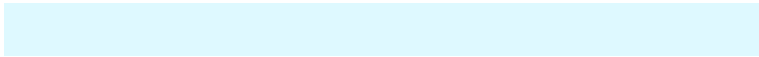
21.4041, 0.3127, 0.3290

Same Dimension

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



83.8217, 0.2957, 0.3237



90.3599, 0.2926, 0.3227



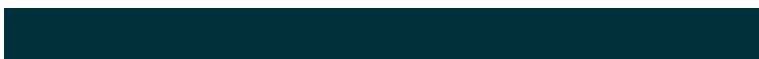
76.2210, 0.2955, 0.3095



18.2008, 0.2980, 0.3245



25.8109, 0.2078, 0.2681



2.4015, 0.2102, 0.2765

Inverse Universe

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



75.8747, 0.3173, 0.3068



80.2506, 0.3183, 0.3027



84.7525, 0.3302, 0.3478



16.7121, 0.3167, 0.3100



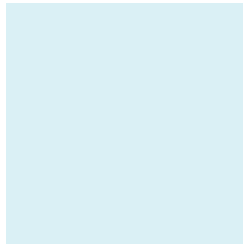
12.7050, 0.3747, 0.1838



1.1301, 0.3667, 0.1794

Previews

White Background



This preview shows how the Yxy color 83.8182, 0.2957, 0.3237 looks on a white background.

Color Contrast Check

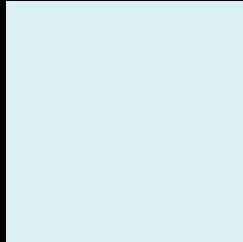
Large Text (above 18pt) WCAG AA × Fail

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 83.8182, 0.2957, 0.3237 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

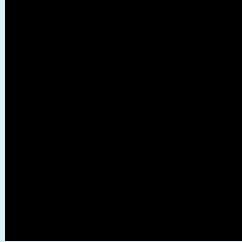
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

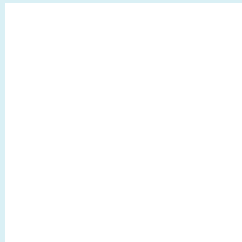
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 83.8182, 0.2957, 0.3237

Background



This preview shows how black text looks on a background with the Yxy color 83.8182, 0.2957, 0.3237.

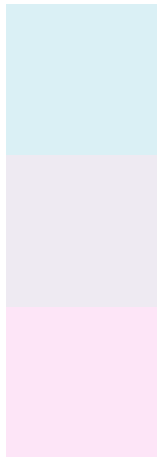


This preview shows how white text looks on a background with the Yxy color 83.8182, 0.2957, 0.3237.

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

83.8182, 0.2957, 0.3237

Protanopia

83.4336, 0.3104, 0.3209

Deuteranopia

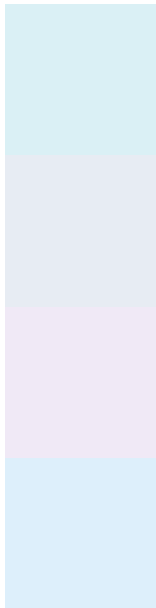
83.6367, 0.3176, 0.3114



Tritanopia

83.8987, 0.2924, 0.3115

Trichromacy



Original Color

83.8182, 0.2957, 0.3237

Protanomaly

83.4509, 0.3051, 0.3218

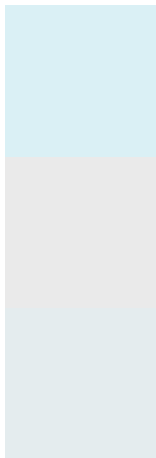
Deuteranomaly

83.4569, 0.3093, 0.3159

Tritanomaly

84.0702, 0.2941, 0.3166

Monochromacy



Original Color

83.8182, 0.2957, 0.3237

Achromatopsia

82.2786, 0.3127, 0.3290

Achromatomaly

82.6579, 0.3062, 0.3269

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.8182, 0.2957, 0.3237 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, 240, 245)` looks like.

```
.text, #text, p{  
    color:rgb(218, 240, 245)  
}
```

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, 240, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 240, 245) }
```

Border

The CSS property to change the border of an element to Yxy 83.8182, 0.2957, 0.3237 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, 240, 245) }
```

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

```
.border{ border-color:rgb(218, 240, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 240, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 240, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 240, 245);  
box-shadow:4px 4px 4px 4px rgb(218, 240,  
245) }
```


Background

The CSS property to change the background color of an element to Yxy 83.8182, 0.2957, 0.3237 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 240, 245) }
```

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

```
.background{ background-color: rgb(218,  
240, 245) }
```

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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