

Converting Colors

$Yxy(82.9337, 0.2953, 0.3234)$

Have a look what the booklet for
Yxy(82.9337, 0.2953, 0.3234)
contains.

Yxy(83.0164, 0.2956, 0.3237)	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(83.0164, 0.2956, 0.3237)

Conversions

Conversions Part 1

Format	Color
Hex	D9EFF4
RGB	217, 239, 244
RGB Percent	85%, 94%, 96%
CMY	0.1491, 0.0627, 0.0430
CMYK	0.11, 0.02, 0.00, 0.04
HSL	191°, 55%, 90%
HSV	191°, 11%, 96%
XYZ	75.8098, 83.0164, 97.6347
YIQ	232.9920, -14.7170, -3.1090

Conversions

Conversions Part 2

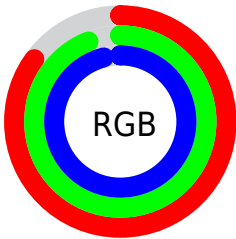
Format	Color
R _Y B	217, 229, 244
Decimal	14282740
CIE Lab	93.02, -6.23, -4.89
CIE LCh	93, 7.918, 218.164
Yxy	83.0164, 0.2956, 0.3237
Android (android.graphics.Color)	4292472820 (0xFFD9EFF4)
YUV	232.9920, 5.4269, -14.0250
Hunter-Lab	91.1133, -10.9294, 0.2457

Details

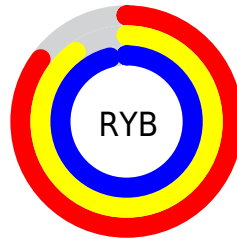
The Yxy color **83.0164, 0.2956, 0.3237** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **76.4901, 0.3319, 0.3342**, and the grayscale version is **81.4470, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.1792, 0.2917, 0.3222** is the 20% darker color. If you saturate the color by 10%, you get **76.9348, 0.2805, 0.3184**, and if you desaturate by 10%, it is **89.7243, 0.3110, 0.3285**.

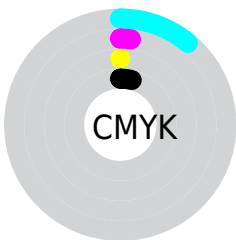
Distribution



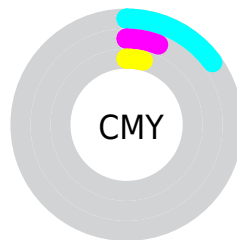
- Red (85%)
- Green (94%)
- Blue (96%)



- Red (85%)
- Yellow (90%)
- Blue (96%)



- Cyan (11%)
- Magenta (2%)
- Yellow (0%)
- Black (4%)



- Cyan (15%)
- Magenta (6%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 83.0164, 0.2956, 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 83.0164, 0.2956, 0.3237 by changing the saturation by 10% instead.

83.0164, 0.2956,
0.3237

83.0164, 0.2956,
0.3237

505.0412, 0.3033,
0.3262

62.2037, 0.2939,
0.3231

137.5984, 0.2982,
0.3246

45.1973, 0.2918,
0.3224

172.1365, 0.2993,
0.3249

31.6129, 0.2892,
0.3216

212.0185, 0.3002,
0.3252

21.0660, 0.2858,
0.3204

257.6289, 0.3009,
0.3254

13.1722, 0.2814,
0.3189

309.3519, 0.3016,
0.3256

7.5473, 0.2751,
0.3167

367.5720, 0.3023,

3.8066, 0.2658,

0.3258

0.3132

432.6737, 0.3028,
0.3260

■ 1.5660, 0.2505,
0.3071

■ 0.3345, 0.1375,
0.2772

■ 83.0164, 0.2956,
0.3237

■ 83.0164, 0.2956,
0.3237

■ 76.9348, 0.2805,
0.3184

■ 89.7243, 0.3110,
0.3285

■ 71.4444, 0.2662,
0.3127

■ 94.9670, 0.3196,
0.3329

■ 66.5221, 0.2528,
0.3067

■ 97.7860, 0.3192,
0.3372

■ 62.1394, 0.2408,
0.3003

■ 99.3132, 0.3191,
0.3395

■ 58.2649, 0.2303,
0.2937

■ 54.8634, 0.2217,
0.2869

■ 51.8947, 0.2151,
0.2801

■ 49.3108, 0.2104,
0.2733

■ 47.2629, 0.2076,
0.2674

Harmonies

Analogous

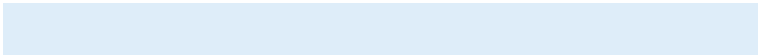
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.0164, 0.3000, 0.3320



83.0164, 0.2956, 0.3237



83.0164, 0.2957, 0.3170

Triad

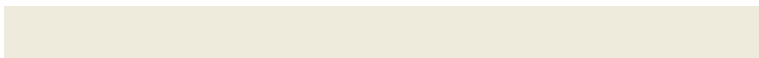
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.0164, 0.2956, 0.3237



83.0164, 0.3175, 0.3188



83.0164, 0.3252, 0.3446

Complementary

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



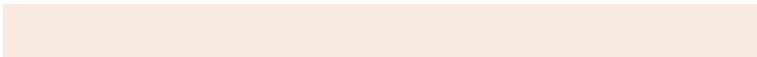
83.0164, 0.2956, 0.3237



76.4901, 0.3319, 0.3342

Split Complementary

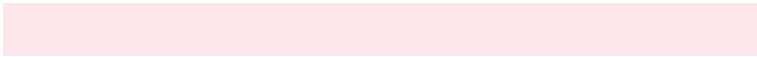
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



83.0164, 0.3300, 0.3408



83.0164, 0.2956, 0.3237



83.0164, 0.3255, 0.3259

Square

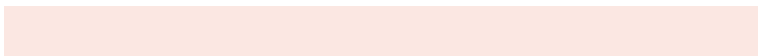
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



83.0164, 0.2956, 0.3237



83.0164, 0.3082, 0.3144



83.0164, 0.3302, 0.3339



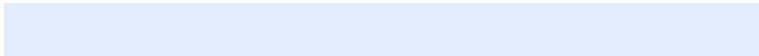
83.0164, 0.3170, 0.3442

Rectangle

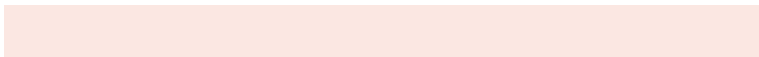
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



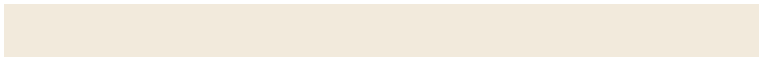
83.0164, 0.2956, 0.3237



83.0164, 0.2983, 0.3144



83.0164, 0.3302, 0.3339



83.0164, 0.3273, 0.3438

Sweetspot

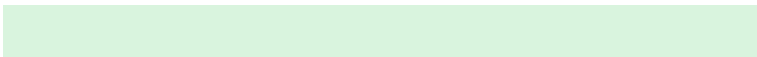
The Sweet Spot groups the original color and five complimentary colors.



83.0199, 0.2956, 0.3237



97.6755, 0.3080, 0.3276



84.7365, 0.3084, 0.3525



20.7759, 0.3068, 0.3272



0.0000, 0.0000, 0.0000



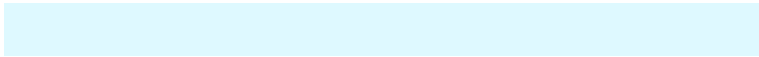
21.4041, 0.3127, 0.3290

Same Dimension

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



83.0199, 0.2956, 0.3237



90.3839, 0.2926, 0.3227



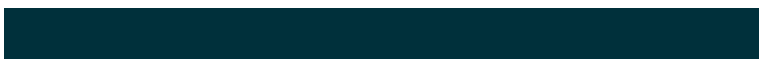
75.4293, 0.2954, 0.3094



18.2043, 0.2980, 0.3245



25.8814, 0.2079, 0.2685



2.4071, 0.2103, 0.2769

Inverse Universe

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



75.0877, 0.3174, 0.3067



80.2530, 0.3182, 0.3026



83.9281, 0.3303, 0.3479



16.7125, 0.3166, 0.3099



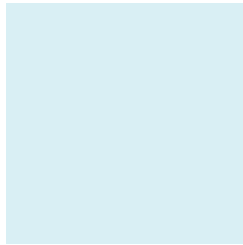
12.7121, 0.3743, 0.1835



1.1306, 0.3664, 0.1792

Previews

White Background



This preview shows how the Yxy color 83.0164, 0.2956, 0.3237 looks on a white background.

Color Contrast Check

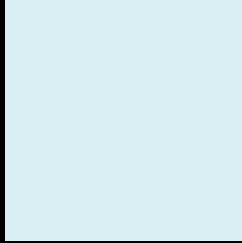
Large Text (above 18pt) WCAG AA × Fail

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 83.0164, 0.2956, 0.3237 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

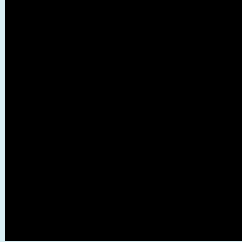
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

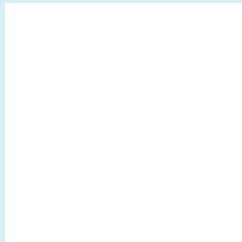
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 83.0164, 0.2956, 0.3237

Background



This preview shows how black text looks on a background with the Yxy color 83.0164, 0.2956, 0.3237.

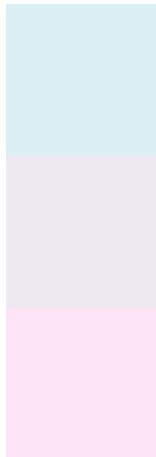


This preview shows how white text looks on a background with the Yxy color 83.0164, 0.2956, 0.3237.

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

83.0164, 0.2956, 0.3237

Protanopia

82.6332, 0.3104, 0.3209

Deuteranopia

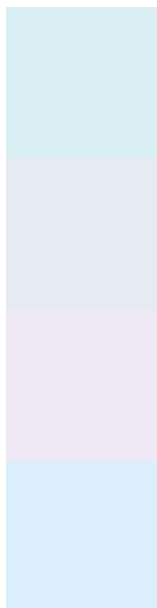
82.8361, 0.3177, 0.3113



Tritanopia

83.0040, 0.2912, 0.3104

Trichromacy



Original Color

83.0164, 0.2956, 0.3237

Protanomaly

82.6505, 0.3051, 0.3218

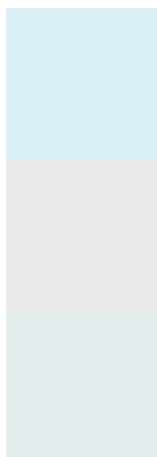
Deuteranomaly

82.6565, 0.3093, 0.3159

Tritanomaly

83.1742, 0.2928, 0.3155

Monochromacy



Original Color

83.0164, 0.2956, 0.3237

Achromatopsia

81.4847, 0.3127, 0.3290

Achromatomaly

81.8620, 0.3062, 0.3269

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.0164, 0.2956, 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(217, 239, 244)` looks like.

```
.text, #text, p{  
    color:rgb(217, 239, 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(217, 239, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 239, 244) }
```

Border

The CSS property to change the border of an element to Yxy 83.0164, 0.2956, 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(217, 239, 244) }
```

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

```
.border{ border-color:rgb(217, 239, 244) }
```

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

Here you see how a box with a 4 pixel rgb(217, 239, 244) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 239, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 239, 244);  
box-shadow:4px 4px 4px 4px rgb(217, 239,  
244) }
```


Background

The CSS property to change the background color of an element to Yxy 83.0164, 0.2956, 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(217, 239, 244) }
```

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

```
.background{ background-color: rgb(217,  
239, 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](#).

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