

Converting Colors

$Y_{xy}(84.7870, 0.2956, 0.3283)$

Have a look what the booklet for
Yxy(84.7870, 0.2956, 0.3283)
contains.

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Color

Yxy(84.5743, 0.2956, 0.3279)

Conversions

Conversions Part 1

Format	Color
Hex	D8F2F3
RGB	216, 242, 243
RGB Percent	85%, 95%, 95%
CMY	0.1531, 0.0509, 0.0470
CMYK	0.11, 0.00, 0.00, 0.05
HSL	182°, 53%, 90%
HSV	182°, 11%, 95%
XYZ	76.2433, 84.5743, 97.1096
YIQ	234.3400, -15.8170, -5.2010

Conversions

Conversions Part 2

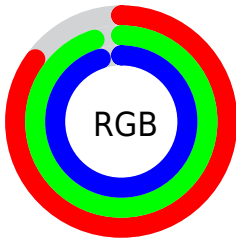
Format	Color
R _Y B	216, 229, 243
Decimal	14217971
CIE Lab	93.70, -8.27, -3.38
CIE LCh	94, 8.929, 202.229
Yxy	84.5743, 0.2956, 0.3279
Android (android.graphics.Color)	4292408051 (0xFFD8F2F3)
YUV	234.3400, 4.2694, -16.0842
Hunter-Lab	91.9643, -12.9516, 1.7678

Details

The Yxy color **84.5743, 0.2956, 0.3279** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **73.6248, 0.3325, 0.3301**, and the grayscale version is **82.5255, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **46.2827, 0.2918, 0.3276** is the 20% darker color. If you saturate the color by 10%, you get **80.6122, 0.2811, 0.3268**, and if you desaturate by 10%, it is **89.0934, 0.3109, 0.3289**.

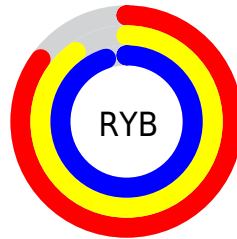
Distribution



Red (85%)

Green (95%)

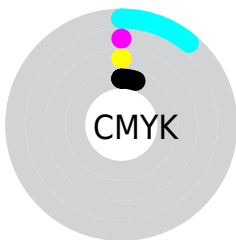
Blue (95%)



Red (85%)

Yellow (90%)

Blue (95%)

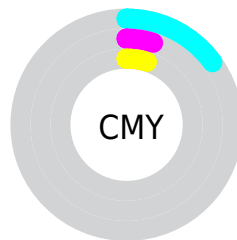


Cyan (11%)

Magenta (0%)

Yellow (0%)

Black (5%)



Cyan (15%)

Magenta (5%)

Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 84.5743, 0.2956, 0.3279 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 84.5743, 0.2956, 0.3279 by changing the saturation by 10% instead.

84.5743, 0.2956,
0.3279

84.5743, 0.2956,
0.3279

510.2184, 0.3033,
0.3285

63.4897, 0.2939,
0.3278

139.7783, 0.2982,
0.3281

46.2375, 0.2918,
0.3276

174.6664, 0.2993,
0.3282

32.4333, 0.2892,
0.3274

214.9245, 0.3001,
0.3282

21.6926, 0.2859,
0.3271

260.9370, 0.3009,
0.3283

13.6312, 0.2815,
0.3267

313.0882, 0.3016,
0.3283

7.8646, 0.2754,
0.3260

371.7626, 0.3022,

4.0085, 0.2662,

0.3284

0.3249

437.3445, 0.3028,
0.3284

■ 1.6783, 0.2512,
0.3229

■ 0.4095, 0.1466,
0.3202

■ 84.5743, 0.2956,
0.3279

■ 84.5743, 0.2956,
0.3279

■ 80.6122, 0.2811,
0.3268

■ 89.0934, 0.3109,
0.3289

■ 77.1727, 0.2676,
0.3257

■ 92.3203, 0.3205,
0.3298

■ 74.2334, 0.2556,
0.3245

■ 92.8627, 0.3204,
0.3307

■ 71.7666, 0.2453,
0.3233

■ 93.4077, 0.3204,
0.3315

69.7416, 0.2368,
0.3220

93.9554, 0.3203,
0.3324

68.1241, 0.2302,
0.3207

94.5058, 0.3202,
0.3333

66.8748, 0.2256,
0.3195

95.0588, 0.3202,
0.3341

65.9467, 0.2228,
0.3183

95.6145, 0.3201,
0.3350

65.3253, 0.2215,
0.3172

96.1728, 0.3200,
0.3359

Harmonies

Analogous

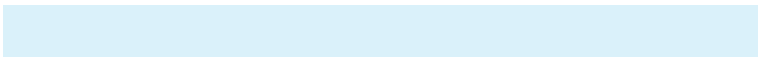
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.5743, 0.3028, 0.3371



84.5743, 0.2956, 0.3279



84.5743, 0.2929, 0.3192

Triad

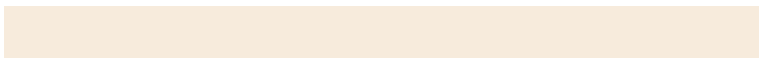
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



84.5743, 0.2956, 0.3279



84.5743, 0.3125, 0.3145



84.5743, 0.3302, 0.3447

Complementary

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



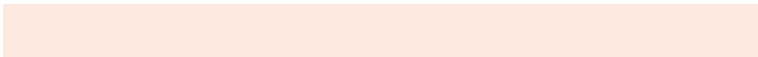
84.5743, 0.2956, 0.3279



73.6248, 0.3325, 0.3301

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.



84.5743, 0.3329, 0.3384



84.5743, 0.2956, 0.3279



84.5743, 0.3226, 0.3211

Square

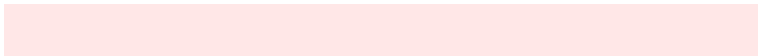
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



84.5743, 0.2956, 0.3279



84.5743, 0.3026, 0.3116



84.5743, 0.3301, 0.3297



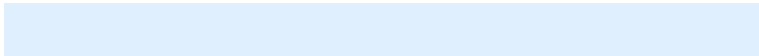
84.5743, 0.3227, 0.3469

Rectangle

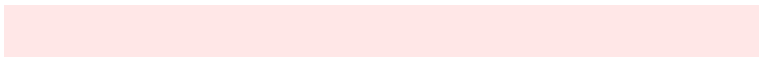
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



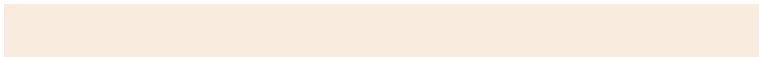
84.5743, 0.2956, 0.3279



84.5743, 0.2941, 0.3148



84.5743, 0.3301, 0.3297



84.5743, 0.3317, 0.3430

Sweetspot

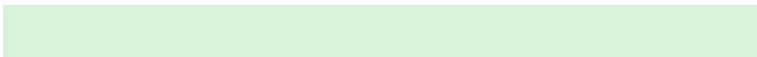
The Sweet Spot groups the original color and five complimentary colors.



84.5778, 0.2956, 0.3279



98.3972, 0.3080, 0.3287



83.7069, 0.3108, 0.3570



20.9714, 0.3068, 0.3286



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

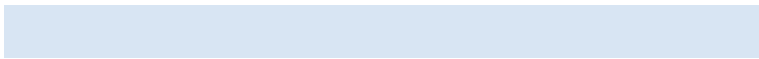
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.5778, 0.2956, 0.3279



93.4651, 0.2928, 0.3277



76.8787, 0.2954, 0.3137



18.6463, 0.2981, 0.3281



35.8945, 0.2215, 0.3174



3.1870, 0.2219, 0.3189

Inverse Universe

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



74.5653, 0.3147, 0.3026



80.5641, 0.3150, 0.2980



80.8264, 0.3309, 0.3439



16.7571, 0.3144, 0.3065



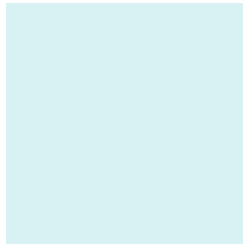
13.7229, 0.3304, 0.1594



1.2094, 0.3291, 0.1587

Previews

White Background



This preview shows how the Yxy color 84.5743, 0.2956, 0.3279 looks on a white background.

Color Contrast Check

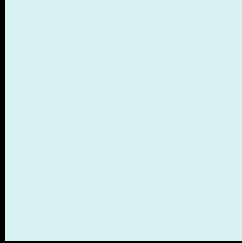
Large Text (above 18pt) WCAG AA × Fail

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 84.5743, 0.2956, 0.3279 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

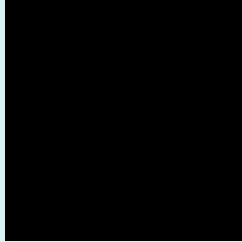
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

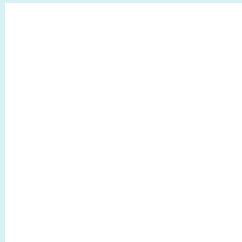
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 84.5743, 0.2956, 0.3279

Background



This preview shows how black text looks on a background with the Yxy color 84.5743, 0.2956, 0.3279.

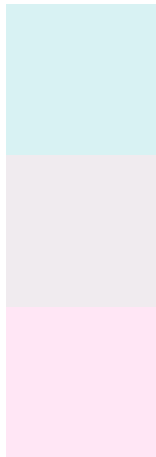


This preview shows how white text looks on a background with the Yxy color 84.5743, 0.2956, 0.3279.

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

84.5743, 0.2956, 0.3279

Protanopia

84.1739, 0.3136, 0.3250

Deuteranopia

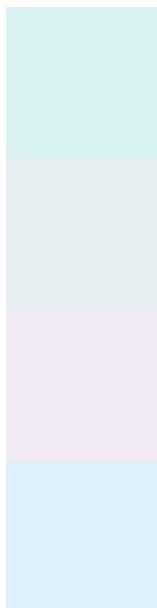
84.4462, 0.3202, 0.3144



Tritanopia

84.4826, 0.2924, 0.3126

Trichromacy



Original Color

84.5743, 0.2956, 0.3279

Protanomaly

84.4293, 0.3069, 0.3269

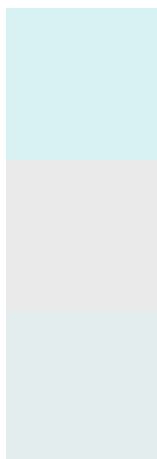
Deuteranomaly

84.0781, 0.3112, 0.3190

Tritanomaly

84.5009, 0.2935, 0.3176

Monochromacy



Original Color

84.5743, 0.2956, 0.3279

Achromatopsia

82.2786, 0.3127, 0.3290

Achromatomaly

83.0137, 0.3061, 0.3290

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.5743, 0.2956, 0.3279 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(216, 242, 243)` looks like.

```
.text, #text, p{  
    color:rgb(216, 242, 243)  
}
```

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(216, 242, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 242, 243) }
```

Border

The CSS property to change the border of an element to Yxy 84.5743, 0.2956, 0.3279 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(216, 242, 243) }
```

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

```
.border{ border-color:rgb(216, 242, 243) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 242, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 242, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 242, 243);  
box-shadow:4px 4px 4px 4px rgb(216, 242,  
243) }
```


Background

The CSS property to change the background color of an element to Yxy 84.5743, 0.2956, 0.3279 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 242, 243) }
```

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

```
.background{ background-color: rgb(216,  
242, 243) }
```

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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