

Converting Colors

$Y_{xy}(85.6062, 0.2996, 0.3285)$

Have a look what the booklet for
Yxy(85.6062, 0.2996, 0.3285)
contains.

Yxy(85.5049, 0.2994, 0.3279)	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(85.5049, 0.2994, 0.3279)

Conversions

Conversions Part 1

Format	Color
Hex	DEF2F3
RGB	222, 242, 243
RGB Percent	87%, 95%, 95%
CMY	0.1291, 0.0510, 0.0470
CMYK	0.09, 0.00, 0.00, 0.05
HSL	183°, 47%, 91%
HSV	183°, 9%, 95%
XYZ	78.0731, 85.5049, 97.1872
YIQ	236.1340, -12.2410, -3.9290

Conversions

Conversions Part 2

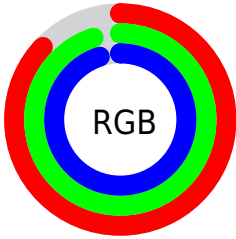
Format	Color
R_{YB}	222, 232, 243
Decimal	14611187
CIE _{Lab}	94.10, -6.31, -2.74
CIE _{LCh}	94, 6.875, 203.470
Yxy	85.5049, 0.2994, 0.3279
Android (android.graphics.Color)	4292801267 (0xFFDEF2F3)
YUV	236.1340, 3.3849, -12.3955
Hunter-Lab	92.4689, -11.1098, 2.4129

Details

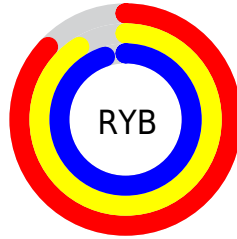
The Yxy color **85.5049, 0.2994, 0.3279** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **77.1667, 0.3276, 0.3301**, and the grayscale version is **83.9813, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **46.9212, 0.2965, 0.3276** is the 20% darker color. If you saturate the color by 10%, you get **81.2368, 0.2846, 0.3265**, and if you desaturate by 10%, it is **90.3379, 0.3149, 0.3292**.

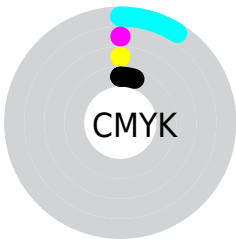
Distribution



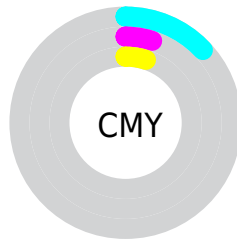
- Red (87%)
- Green (95%)
- Blue (95%)



- Red (87%)
- Yellow (91%)
- Blue (95%)



- Cyan (9%)
- Magenta (0%)
- Yellow (0%)
- Black (5%)



- Cyan (13%)
- Magenta (5%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 85.5049, 0.2994, 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 85.5049, 0.2994, 0.3279 by changing the saturation by 10% instead.

85.5049, 0.2994,
0.3279

85.5049, 0.2994,
0.3279

513.2973, 0.3054,
0.3284

64.2586, 0.2981,
0.3278

141.0784, 0.3014,
0.3281

46.8602, 0.2965,
0.3276

176.1744, 0.3022,
0.3282

32.9251, 0.2945,
0.3274

216.6558, 0.3029,
0.3282

22.0691, 0.2919,
0.3271

262.9070, 0.3035,
0.3283

13.9077, 0.2885,
0.3268

315.3123, 0.3041,
0.3283

8.0565, 0.2837,
0.3262

374.2562, 0.3046,

4.1311, 0.2766,

0.3284

440.1231, 0.3050,
0.3284

0.3254

■ 1.7472, 0.2650,
0.3237

■ 0.4539, 0.1958,
0.3203

■ 85.5049, 0.2994,
0.3279

■ 85.5049, 0.2994,
0.3279

■ 81.2368, 0.2846,
0.3265

■ 90.3379, 0.3149,
0.3292

■ 77.4991, 0.2708,
0.3251


■ 92.6500, 0.3205,
0.3303


■ 74.2704, 0.2583,
0.3235


■ 93.3691, 0.3204,
0.3315

■ 71.5233, 0.2474,
0.3219


■ 94.0928, 0.3203,
0.3326

 69.2279, 0.2383,
0.3202

 94.8211, 0.3202,
0.3338

 67.3509, 0.2310,
0.3186


 95.5541, 0.3201,
0.3349


 65.8546, 0.2258,
0.3169

 96.2917, 0.3200,
0.3360

 64.6942, 0.2224,
0.3153

 97.0340, 0.3199,
0.3372

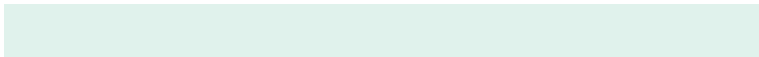
 63.8049, 0.2206,
0.3136

 97.7809, 0.3198,
0.3383

Harmonies

Analogous

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



85.5049, 0.3048, 0.3350



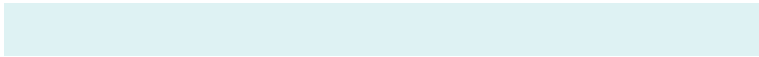
85.5049, 0.2994, 0.3279



85.5049, 0.2975, 0.3213

Triad

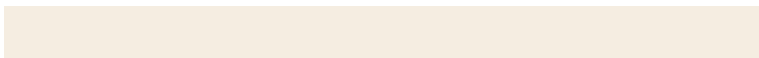
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



85.5049, 0.2994, 0.3279



85.5049, 0.3129, 0.3180



85.5049, 0.3259, 0.3412

Complementary

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



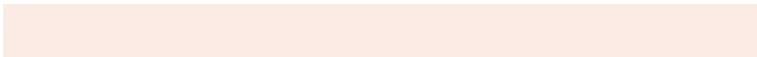
85.5049, 0.2994, 0.3279



77.1667, 0.3276, 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.



85.5049, 0.3282, 0.3365



85.5049, 0.2994, 0.3279



85.5049, 0.3206, 0.3232

Square

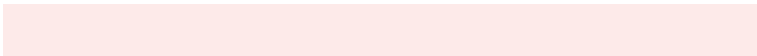
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



85.5049, 0.2994, 0.3279



85.5049, 0.3052, 0.3157



85.5049, 0.3262, 0.3299



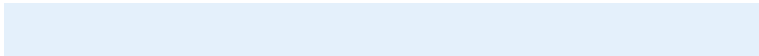
85.5049, 0.3201, 0.3427

Rectangle

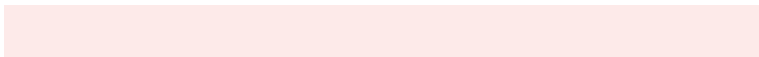
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



85.5049, 0.2994, 0.3279



85.5049, 0.2985, 0.3180



85.5049, 0.3262, 0.3299



85.5049, 0.3271, 0.3400

Sweetspot

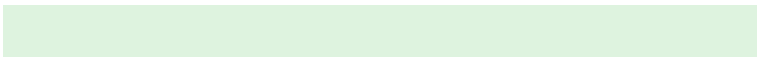
The Sweet Spot groups the original color and five complimentary colors.



85.5085, 0.2994, 0.3279



98.3393, 0.3080, 0.3286



84.9638, 0.3113, 0.3503



20.9558, 0.3068, 0.3285



0.0000, 0.0000, 0.0000



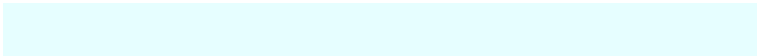
21.4041, 0.3127, 0.3290

Same Dimension

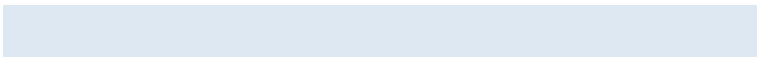
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.5085, 0.2994, 0.3279



94.6871, 0.2973, 0.3277



79.6417, 0.2994, 0.3173



18.6107, 0.2981, 0.3278



35.0134, 0.2205, 0.3137



3.1193, 0.2210, 0.3157

Inverse Universe

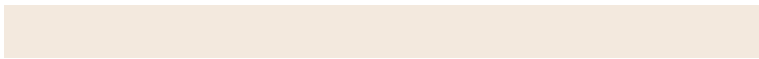
The Inverse Universe completely reimagines the original color for something new.



77.7525, 0.3144, 0.3089



84.7156, 0.3147, 0.3055



82.7495, 0.3265, 0.3404



16.7535, 0.3146, 0.3068



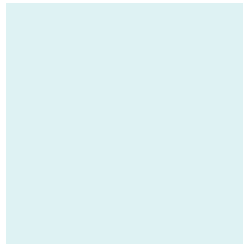
13.6340, 0.3336, 0.1611



1.2025, 0.3318, 0.1602

Previews

White Background



This preview shows how the Yxy color 85.5049, 0.2994, 0.3279 looks on a white background.

Color Contrast Check

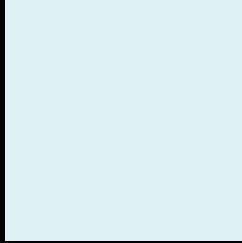
Large Text (above 18pt) WCAG AA × Fail

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 85.5049, 0.2994, 0.3279 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

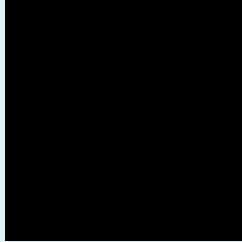
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

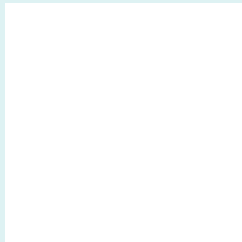
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 85.5049, 0.2994, 0.3279

Background



This preview shows how black text looks on a background with the Yxy color 85.5049, 0.2994, 0.3279.

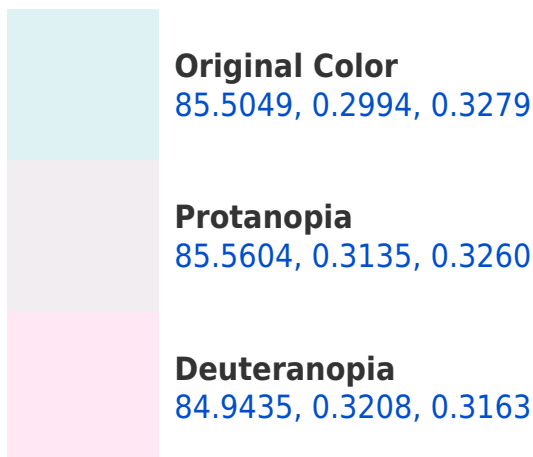


This preview shows how white text looks on a background with the Yxy color 85.5049, 0.2994, 0.3279.

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

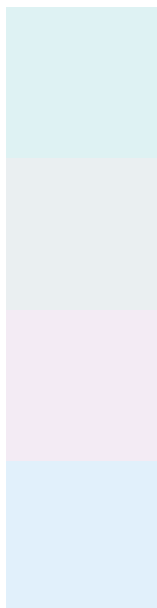




Tritanopia

85.2839, 0.2955, 0.3127

Trichromacy



Original Color

85.5049, 0.2994, 0.3279

Protanomaly

85.5763, 0.3082, 0.3270

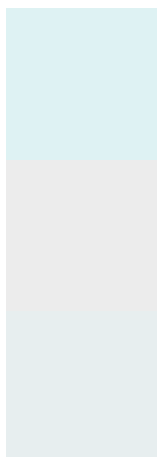
Deuteranomaly

85.0030, 0.3125, 0.3200

Tritanomaly

85.2928, 0.2966, 0.3177

Monochromacy



Original Color

85.5049, 0.2994, 0.3279

Achromatopsia

83.8799, 0.3127, 0.3290

Achromatomaly

84.3700, 0.3075, 0.3280

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.5049, 0.2994, 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(222, 242, 243)` looks like.

```
.text, #text, p{  
    color:rgb(222, 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(222, 242, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 242, 243) }
```

Border

The CSS property to change the border of an element to Yxy 85.5049, 0.2994, 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(222, 242, 243) }
```

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

```
.border{ border-color:rgb(222, 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(222, 242, 243) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 242, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 242, 243);  
box-shadow:4px 4px 4px 4px rgb(222, 242,  
243) }
```


Background

The CSS property to change the background color of an element to Yxy 85.5049, 0.2994, 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(222, 242, 243) }
```

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

```
.background{ background-color: rgb(222,  
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](#).

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