

Converting Colors

$Yxy(85.3665, 0.2956, 0.3224)$

Have a look what the booklet for
Yxy(85.3665, 0.2956, 0.3224)
contains.

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Color

Yxy(85.6537, 0.2959, 0.3228)

Conversions

Conversions Part 1

Format	Color
Hex	DDF2F8
RGB	221, 242, 248
RGB Percent	87%, 95%, 97%
CMY	0.1332, 0.0510, 0.0276
CMYK	0.11, 0.02, 0.00, 0.03
HSL	193°, 66%, 92%
HSV	193°, 11%, 97%
XYZ	78.5159, 85.6537, 101.1764
YIQ	236.4050, -14.4420, -2.5860

Conversions

Conversions Part 2

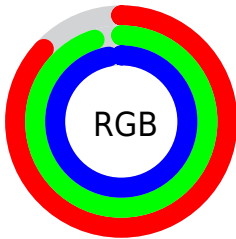
Format	Color
R _Y B	221, 233, 248
Decimal	14545656
CIE Lab	94.16, -5.70, -5.23
CIE LCh	94, 7.732, 222.537
Yxy	85.6537, 0.2959, 0.3228
Android (android.graphics.Color)	4292735736 (0xFFDDDF2F8)
YUV	236.4050, 5.7163, -13.5102
Hunter-Lab	92.5493, -10.5275, -0.0323

Details

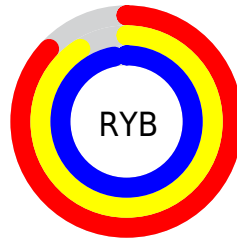
The Yxy color **85.6537, 0.2959, 0.3228** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **80.1087, 0.3314, 0.3351**, and the grayscale version is **84.1749, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **47.0306, 0.2921, 0.3210** is the 20% darker color. If you saturate the color by 10%, you get **78.8264, 0.2807, 0.3165**, and if you desaturate by 10%, it is **93.1613, 0.3114, 0.3285**.

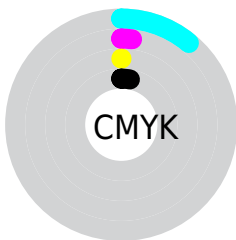
Distribution



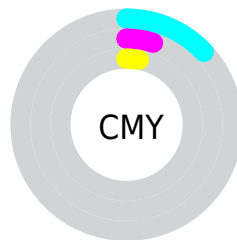
- Red (87%)
- Green (95%)
- Blue (97%)



- Red (87%)
- Yellow (91%)
- Blue (97%)



- Cyan (11%)
- Magenta (2%)
- Yellow (0%)
- Black (3%)




- Cyan (13%)
- Magenta (5%)
- Yellow (3%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 85.6537, 0.2959, 0.3228 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 85.6537, 0.2959, 0.3228 by changing the saturation by 10% instead.


 85.6537, 0.2959,
0.3228

 85.6537, 0.2959,
0.3228


513.7886, 0.3034,
0.3256

 64.3817, 0.2942,
0.3222


141.2861, 0.2985,
0.3238

 46.9599, 0.2922,
0.3214


176.4153, 0.2995,
0.3242

 33.0039, 0.2897,
0.3204


216.9323, 0.3003,
0.3245

 22.1295, 0.2865,
0.3191

263.2216, 0.3011,
0.3248

 13.9520, 0.2822,
0.3174

315.6674, 0.3018,
0.3250

 8.0873, 0.2763,
0.3149

374.6543, 0.3024,

 4.1509, 0.2675,

0.3253

0.3111

440.5666, 0.3029,
0.3255

■ 1.7583, 0.2532,
0.3047

■ 0.4610, 0.1838,
0.2833

■ 85.6537, 0.2959,
0.3228

■ 85.6537, 0.2959,
0.3228

■ 78.8264, 0.2807,
0.3165

■ 93.1613, 0.3114,
0.3285

■ 72.6427, 0.2661,
0.3097

■ 98.2787, 0.3169,
0.3338

■ 67.0783, 0.2523,
0.3024

■ 99.5555, 0.3168,
0.3357

■ 62.1031, 0.2398,
0.2947

■ 57.6842, 0.2289,
0.2867

■ 53.7847, 0.2197,
0.2785

■ 50.3626, 0.2125,
0.2702

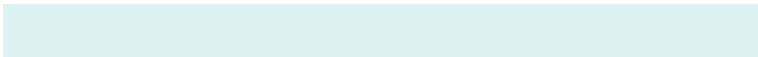
■ 47.3677, 0.2074,
0.2620

■ 44.9328, 0.2041,
0.2546

Harmonies

Analogous

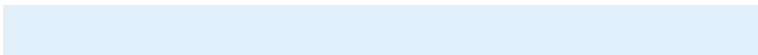
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.6537, 0.2996, 0.3307



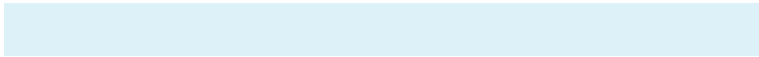
85.6537, 0.2959, 0.3228



85.6537, 0.2967, 0.3167

Triad

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



85.6537, 0.2959, 0.3228



85.6537, 0.3186, 0.3200



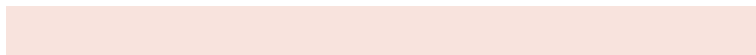
85.6537, 0.3238, 0.3443

Complementary

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



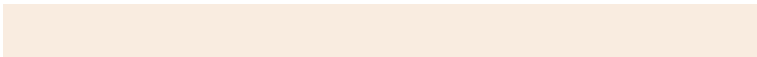
85.6537, 0.2959, 0.3228



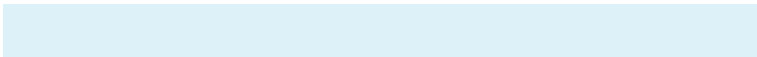
80.1087, 0.3314, 0.3351

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.



85.6537, 0.3290, 0.3411



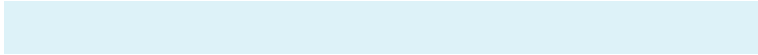
85.6537, 0.2959, 0.3228



85.6537, 0.3260, 0.3271

Square

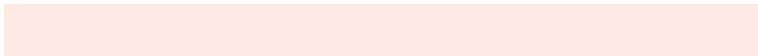
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



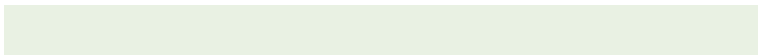
85.6537, 0.2959, 0.3228



85.6537, 0.3097, 0.3153



85.6537, 0.3299, 0.3348



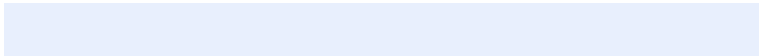
85.6537, 0.3156, 0.3433

Rectangle

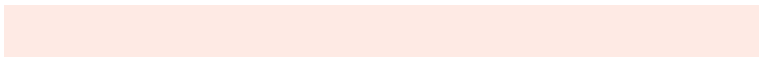
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



85.6537, 0.2959, 0.3228



85.6537, 0.2996, 0.3145



85.6537, 0.3299, 0.3348



85.6537, 0.3259, 0.3437

Sweetspot

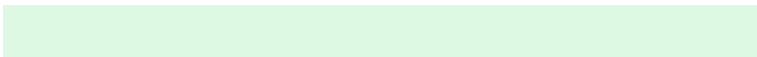
The Sweet Spot groups the original color and five complimentary colors.



85.6573, 0.2959, 0.3228



97.5014, 0.3081, 0.3274



88.0318, 0.3080, 0.3511



20.7288, 0.3068, 0.3269



0.0000, 0.0000, 0.0000



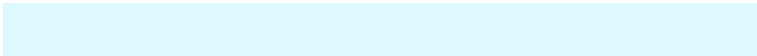
21.4041, 0.3127, 0.3290

Same Dimension

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



85.6573, 0.2959, 0.3228



89.6497, 0.2926, 0.3215



78.0029, 0.2957, 0.3088



18.9179, 0.2980, 0.3236



24.4969, 0.2044, 0.2559



2.4239, 0.2071, 0.2656

Inverse Universe

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



78.0890, 0.3179, 0.3080



80.1789, 0.3190, 0.3038



87.6916, 0.3298, 0.3484



17.4549, 0.3172, 0.3107



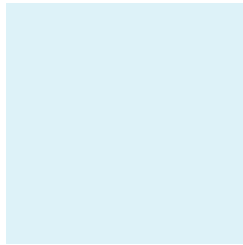
12.8839, 0.3864, 0.1902



1.2089, 0.3770, 0.1850

Previews

White Background



This preview shows how the Yxy color 85.6537, 0.2959, 0.3228 looks on a white background.

Color Contrast Check

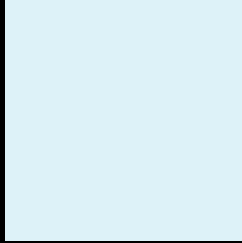
Large Text (above 18pt) WCAG AA × Fail

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 85.6537, 0.2959, 0.3228 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

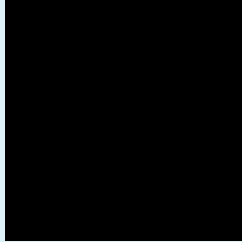
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

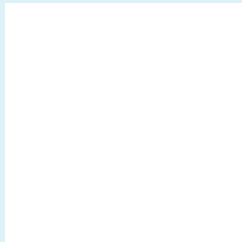
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 85.6537, 0.2959, 0.3228

Background



This preview shows how black text looks on a background with the Yxy color 85.6537, 0.2959, 0.3228.

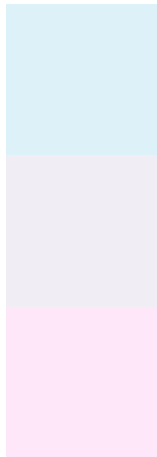


This preview shows how white text looks on a background with the Yxy color 85.6537, 0.2959, 0.3228.

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

85.6537, 0.2959, 0.3228

Protanopia

85.6862, 0.3098, 0.3210

Deuteranopia

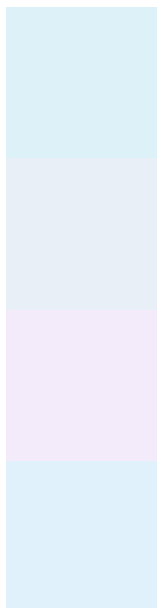
85.3140, 0.3170, 0.3106



Tritanopia

85.7089, 0.2949, 0.3137

Trichromacy



Original Color

85.6537, 0.2959, 0.3228

Protanomaly

85.7105, 0.3046, 0.3219

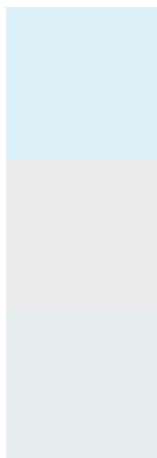
Deuteranomaly

85.3109, 0.3094, 0.3151

Tritanomaly

85.7862, 0.2954, 0.3177

Monochromacy



Original Color

85.6537, 0.2959, 0.3228

Achromatopsia

83.8799, 0.3127, 0.3290

Achromatomaly

84.4293, 0.3069, 0.3269

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.6537, 0.2959, 0.3228 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(221, 242, 248)` looks like.

```
.text, #text, p{  
    color:rgb(221, 242, 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(221, 242, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 242, 248) }
```

Border

The CSS property to change the border of an element to Yxy 85.6537, 0.2959, 0.3228 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(221, 242, 248) }
```

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

```
.border{ border-color:rgb(221, 242, 248) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 242, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 242, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 242, 248);  
box-shadow:4px 4px 4px 4px rgb(221, 242,  
248) }
```


Background

The CSS property to change the background color of an element to Yxy 85.6537, 0.2959, 0.3228 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 242, 248) }
```

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

```
.background{ background-color: rgb(221,  
242, 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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