

Converting Colors

$Yxy(85.1296, 0.2968, 0.3316)$

Have a look what the booklet for
Yxy(85.1296, 0.2968, 0.3316)
contains.

Yxy(85.0510, 0.2968, 0.3310)	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(85.0510, 0.2968, 0.3310)

Conversions

Conversions Part 1

Format	Color
Hex	D8F3F1
RGB	216, 243, 241
RGB Percent	85%, 95%, 95%
CMY	0.1527, 0.0471, 0.0548
CMYK	0.11, 0.00, 0.01, 0.05
HSL	176°, 53%, 90%
HSV	176°, 11%, 95%
XYZ	76.2633, 85.0510, 95.6374
YIQ	234.6990, -15.4500, -6.3460

Conversions

Conversions Part 2

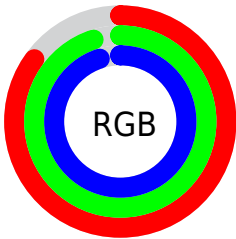
Format	Color
R _{YB}	216, 230, 243
Decimal	14218225
CIE Lab	93.91, -9.11, -2.05
CIE LCh	94, 9.338, 192.653
Yxy	85.0510, 0.2968, 0.3310
Android (android.graphics.Color)	4292408305 (0xFFD8F3F1)
YUV	234.6990, 3.1064, -16.3990
Hunter-Lab	92.2231, -13.7811, 3.0711

Details

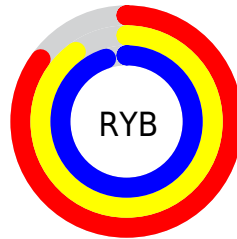
The Yxy color **85.0510, 0.2968, 0.3310** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **73.2593, 0.3312, 0.3270**, and the grayscale version is **82.8325, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **46.6205, 0.2933, 0.3317** is the 20% darker color. If you saturate the color by 10%, you get **81.5166, 0.2833, 0.3330**, and if you desaturate by 10%, it is **89.1408, 0.3111, 0.3292**.

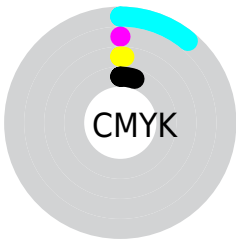
Distribution



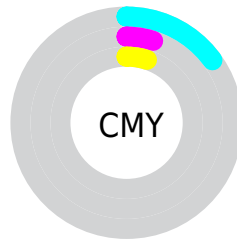
- Red (85%)
- Green (95%)
- Blue (95%)



- Red (85%)
- Yellow (90%)
- Blue (95%)



- Cyan (11%)
- Magenta (0%)
- Yellow (1%)
- Black (5%)





- Cyan (15%)
- Magenta (5%)
- Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 85.0510, 0.2968, 0.3310 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 85.0510, 0.2968, 0.3310 by changing the saturation by 10% instead.


 85.0510, 0.2968,
0.3310

 85.0510, 0.2968,
0.3310


511.7968, 0.3039,
0.3301

 63.8835, 0.2952,
0.3312


140.4444, 0.2992,
0.3307

 46.5563, 0.2933,
0.3314


175.4392, 0.3002,
0.3306

 32.6851, 0.2909,
0.3317


215.8118, 0.3010,
0.3305

 21.8853, 0.2878,
0.3320


261.9467, 0.3018,
0.3304

 13.7726, 0.2837,
0.3324

314.2282, 0.3024,
0.3303

 7.9627, 0.2780,
0.3330

373.0408, 0.3030,

 4.0711, 0.2694,

0.3303

438.7689, 0.3035,
0.3302

0.3338

1.7134, 0.2554,
0.3348

0.4323, 0.1527,
0.3502

85.0510, 0.2968,
0.3310

85.0510, 0.2968,
0.3310

81.5166, 0.2833,
0.3330

89.1408, 0.3111,
0.3292

78.5031, 0.2708,
0.3351


91.9194, 0.3196,
0.3275

75.9883, 0.2598,
0.3374

92.0276, 0.3185,
0.3258

73.9443, 0.2503,
0.3398


92.1369, 0.3174,
0.3241


 72.3405, 0.2427,
0.3422

 92.2471, 0.3164,
0.3224


 71.1428, 0.2371,
0.3447


 92.3584, 0.3153,
0.3207

 70.3117, 0.2334,
0.3472

 92.4708, 0.3142,
0.3190

 69.8004, 0.2315,
0.3496

 92.5735, 0.3133,
0.3175

 69.5469, 0.2311,
0.3518

Harmonies

Analogous

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



85.0510, 0.3054, 0.3402



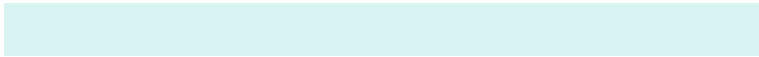
85.0510, 0.2968, 0.3310



85.0510, 0.2924, 0.3214

Triad

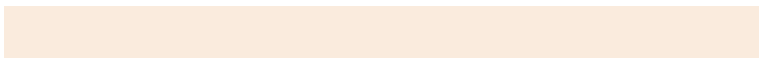
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



85.0510, 0.2968, 0.3310



85.0510, 0.3090, 0.3124



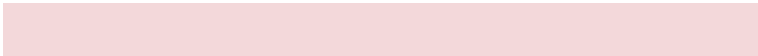
85.0510, 0.3325, 0.3437

Complementary

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



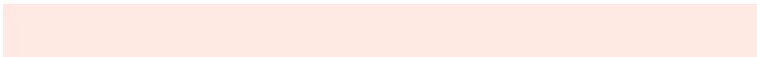
85.0510, 0.2968, 0.3310



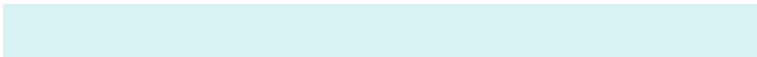
73.2593, 0.3312, 0.3270

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.



85.0510, 0.3335, 0.3360



85.0510, 0.2968, 0.3310



85.0510, 0.3198, 0.3182

Square

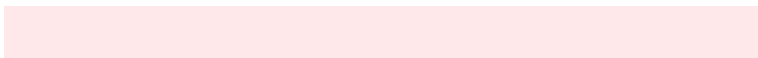
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



85.0510, 0.2968, 0.3310



85.0510, 0.2994, 0.3109



85.0510, 0.3288, 0.3268



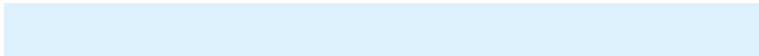
85.0510, 0.3261, 0.3475

Rectangle

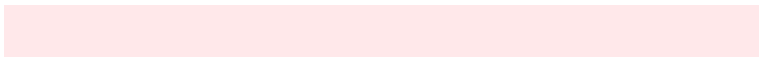
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



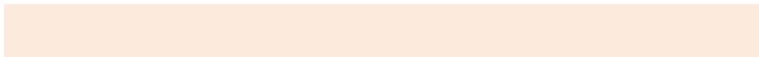
85.0510, 0.2968, 0.3310



85.0510, 0.2924, 0.3162



85.0510, 0.3288, 0.3268



85.0510, 0.3335, 0.3415

Sweetspot

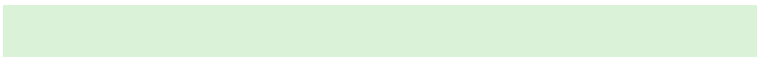
The Sweet Spot groups the original color and five complimentary colors.



85.0546, 0.2968, 0.3310



98.5421, 0.3083, 0.3295



84.0073, 0.3128, 0.3578



21.0107, 0.3072, 0.3297



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.



85.0546, 0.2968, 0.3310



94.0916, 0.2941, 0.3314



78.6618, 0.2955, 0.3171



18.7358, 0.2990, 0.3307



38.1832, 0.2309, 0.3514



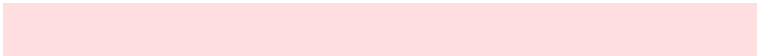
3.3620, 0.2301, 0.3483

Inverse Universe

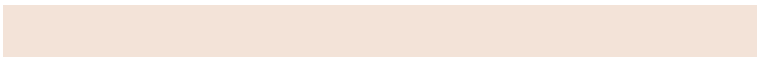
The Inverse Universe completely reimagines the original color for something new.



73.2593, 0.3312, 0.3270



78.8189, 0.3349, 0.3267



79.1056, 0.3312, 0.3406



16.5021, 0.3282, 0.3273



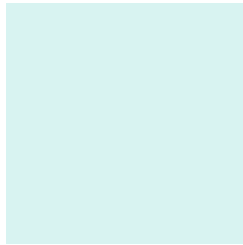
10.4884, 0.6323, 0.3257



0.9285, 0.6141, 0.3157

Previews

White Background



This preview shows how the Yxy color 85.0510, 0.2968, 0.3310 looks on a white background.

Color Contrast Check

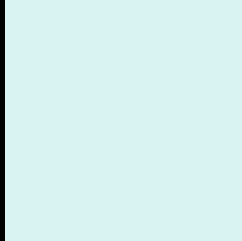
Large Text (above 18pt) WCAG AA × Fail

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 85.0510, 0.2968, 0.3310 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

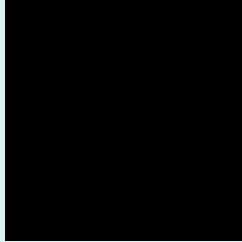
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

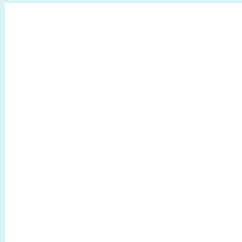
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 85.0510, 0.2968, 0.3310

Background



This preview shows how black text looks on a background with the Yxy color 85.0510, 0.2968, 0.3310.

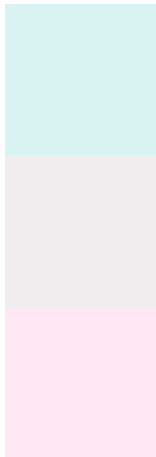


This preview shows how white text looks on a background with the Yxy color 85.0510, 0.2968, 0.3310.

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

85.0510, 0.2968, 0.3310

Protanopia

84.8061, 0.3154, 0.3280

Deuteranopia

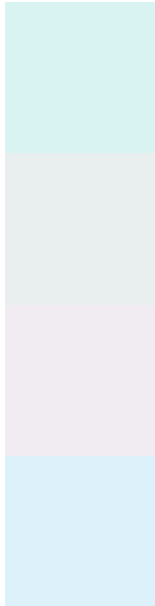
84.8829, 0.3214, 0.3173



Tritanopia

85.2282, 0.2931, 0.3136

Trichromacy



Original Color

85.0510, 0.2968, 0.3310

Protanomaly

85.0619, 0.3087, 0.3300

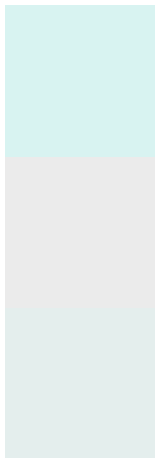
Deuteranomaly

84.5282, 0.3124, 0.3220

Tritanomaly

85.0284, 0.2941, 0.3197

Monochromacy



Original Color

85.0510, 0.2968, 0.3310

Achromatopsia

83.0770, 0.3127, 0.3290

Achromatomaly

83.7575, 0.3068, 0.3300

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.0510, 0.2968, 0.3310 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, 243, 241)` looks like.

```
.text, #text, p{  
    color:rgb(216, 243, 241)  
}
```

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, 243, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 243, 241) }
```

Border

The CSS property to change the border of an element to Yxy 85.0510, 0.2968, 0.3310 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, 243, 241) }
```

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

```
.border{ border-color:rgb(216, 243, 241) }
```

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

Here you see how a box with a 4 pixel rgb(216, 243, 241) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 243, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 243, 241);  
box-shadow:4px 4px 4px 4px rgb(216, 243,  
241) }
```


Background

The CSS property to change the background color of an element to Yxy 85.0510, 0.2968, 0.3310 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 243, 241) }
```

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

```
.background{ background-color: rgb(216,  
243, 241) }
```

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