

Converting Colors

Yxy(85.4217, 0.3080, 0.3606)

Have a look what the booklet for
Yxy(85.4217, 0.3080, 0.3606)
contains.

Yxy(85.5283, 0.3080, 0.3612)	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(85.5283, 0.3080, 0.3612)

Conversions

Conversions Part 1	
Format	Color
Hex	D4F7D9
RGB	212, 247, 217
RGB Percent	83%, 97%, 85%
CMY	0.1688, 0.0313, 0.1489
CMYK	0.14, 0.00, 0.12, 0.03
HSL	129°, 69%, 90%
HSV	129°, 14%, 97%
XYZ	72.9311, 85.5283, 78.3299
YIQ	233.1150, -11.2300, -16.7500

Conversions

Conversions Part 2

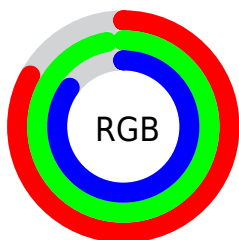
Format	Color
RYB	212, 243, 247
Decimal	13957081
CIELab	94.11, -16.86, 10.64
CIELCh	94, 19.939, 147.752
Yxy	85.5283, 0.3080, 0.3612
Android (android.graphics.Color)	4292147161 (0xFFD4F7D9)
YUV	233.1150, -7.9447, -18.5179
Hunter-Lab	92.4815, -21.0772, 14.5197

Details

The Yxy color **85.5283, 0.3080, 0.3612** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **73.2520, 0.3178, 0.2988**, and the grayscale version is **81.6426, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **47.0383, 0.3068, 0.3695** is the 20% darker color. If you saturate the color by 10%, you get **81.1079, 0.3046, 0.3874**, and if you desaturate by 10%, it is **90.6583, 0.3113, 0.3379**.

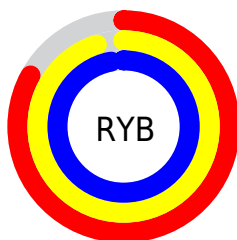
Distribution



Red (83%)

Green (97%)

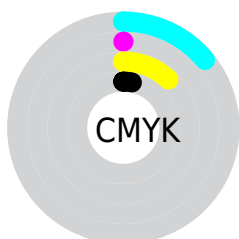
Blue (85%)



Red (83%)

Yellow (95%)

Blue (97%)

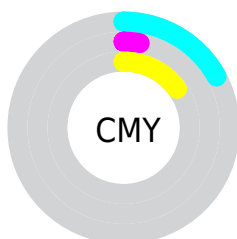


Cyan (14%)

Magenta (0%)

Yellow (12%)

Black (3%)



Cyan (17%)


Magenta (3%)

Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 85.5283, 0.3080, 0.3612 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 85.5283, 0.3080, 0.3612 by changing the saturation by 10% instead.

 85.5283, 0.3080,
0.3612

 85.5283, 0.3080,
0.3612


513.3746, 0.3103,
0.3464

 64.2780, 0.3075,
0.3646


141.1111, 0.3088,
0.3561

 46.8759, 0.3068,
0.3687


176.2123, 0.3091,
0.3541

 32.9375, 0.3059,
0.3740


216.6993, 0.3094,
0.3524

 22.0786, 0.3047,
0.3808

262.9564, 0.3096,
0.3509

 13.9147, 0.3030,
0.3901

315.3682, 0.3098,
0.3495

 8.0613, 0.3005,
0.4034


374.3188, 0.3100,


 4.1342, 0.2962,


0.3484


0.4240


440.1928, 0.3102,
0.3473


 1.7489, 0.2881,
0.4601


 0.4550, 0.0438,
0.9562


 85.5283, 0.3080,
0.3612


 85.5283, 0.3080,
0.3612


 81.1079, 0.3046,
0.3874

 90.6583, 0.3113,
0.3379

 77.3555, 0.3014,
0.4164


 95.0091, 0.3131,
0.3214

 74.2415, 0.2985,
0.4475


 71.7303, 0.2962,
0.4796

 69.7823, 0.2947,
0.5112

 68.3534, 0.2941,
0.5402

 67.3927, 0.2947,
0.5645

 66.8387, 0.2962,
0.5826

 66.6548, 0.2972,
0.5900

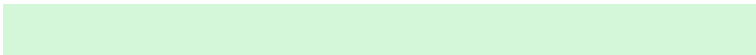
Harmonies

Analogous

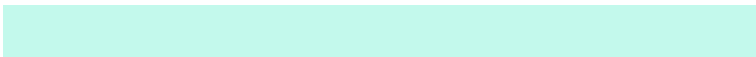
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.5283, 0.3307, 0.3692



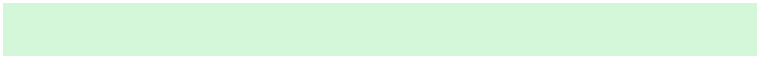
85.5283, 0.3080, 0.3612



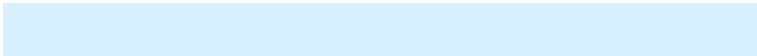
85.5283, 0.2871, 0.3435

Triad

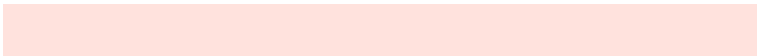
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



85.5283, 0.3080, 0.3612



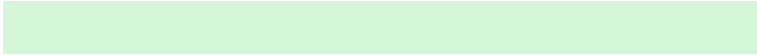
85.5283, 0.2770, 0.2929



85.5283, 0.3538, 0.3336

Complementary

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



85.5283, 0.3080, 0.3612



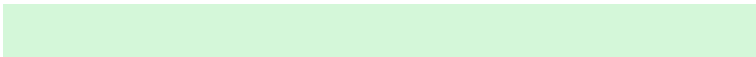
73.2520, 0.3178, 0.2988

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.



85.5283, 0.3384, 0.3147



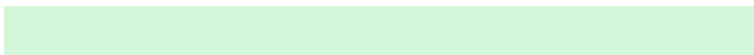
85.5283, 0.3080, 0.3612



85.5283, 0.2938, 0.2916

Square

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



85.5283, 0.3080, 0.3612



85.5283, 0.2696, 0.3036



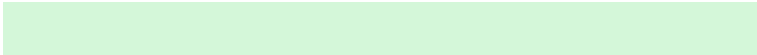
85.5283, 0.3162, 0.2996



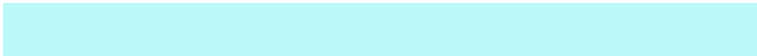
85.5283, 0.3577, 0.3522

Rectangle

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



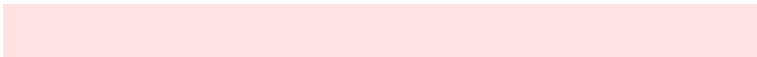
85.5283, 0.3080, 0.3612



85.5283, 0.2768, 0.3292



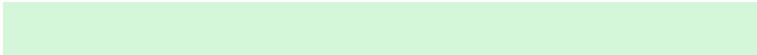
85.5283, 0.3162, 0.2996



85.5283, 0.3498, 0.3271

Sweetspot

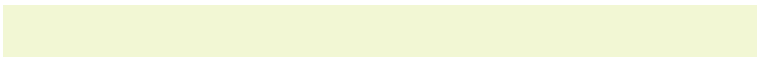
The Sweet Spot groups the original color and five complimentary colors.



85.5319, 0.3080, 0.3612



97.5672, 0.3114, 0.3375



90.2180, 0.3309, 0.3646



20.7885, 0.3112, 0.3391



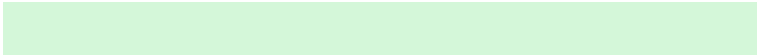
0.0000, 0.0000, 0.0000



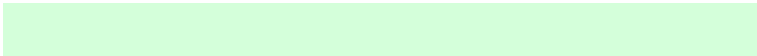
21.4041, 0.3127, 0.3290

Same Dimension

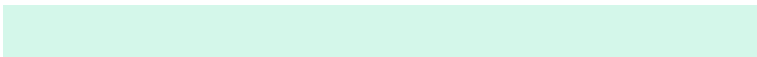
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.5319, 0.3080, 0.3612



90.5228, 0.3070, 0.3684



86.4703, 0.2982, 0.3425



18.5111, 0.3096, 0.3499



35.2598, 0.2967, 0.5882



3.1107, 0.2915, 0.5694

Inverse Universe

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



73.2520, 0.3178, 0.2988



74.9950, 0.3190, 0.2926



72.2707, 0.3298, 0.3159



16.7247, 0.3160, 0.3090



12.9692, 0.3612, 0.1763



1.1509, 0.3554, 0.1731

Previews

White Background



This preview shows how the Yxy color 85.5283, 0.3080, 0.3612 looks on a white background.

Color Contrast Check

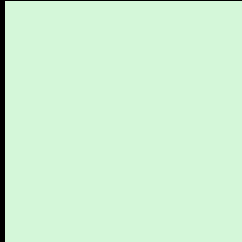
Large Text (above 18pt) WCAG AA × Fail

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 85.5283, 0.3080, 0.3612 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

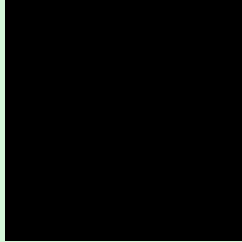
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

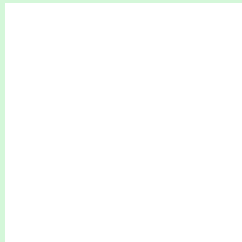
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 85.5283, 0.3080, 0.3612

Background



This preview shows how black text looks on a background with the Yxy color 85.5283, 0.3080, 0.3612.

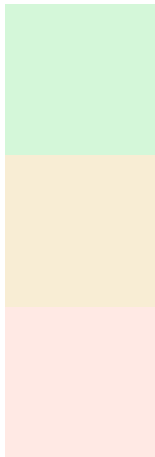


This preview shows how white text looks on a background with the Yxy color 85.5283, 0.3080, 0.3612.

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

85.5283, 0.3080, 0.3612

Protanopia

85.2783, 0.3361, 0.3544

Deuteranopia

85.1393, 0.3310, 0.3340



Tritanopia

85.3875, 0.2937, 0.3137

Trichromacy

	Original Color 85.5283, 0.3080, 0.3612
	Protanomaly 85.4278, 0.3254, 0.3570
	Deuteranomaly 84.8816, 0.3221, 0.3434
	Tritanomaly 85.6677, 0.2993, 0.3310

Monochromacy

	Original Color 85.5283, 0.3080, 0.3612
	Achromatopsia 81.4847, 0.3127, 0.3290
	Achromatomaly 82.7027, 0.3109, 0.3405

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.5283, 0.3080, 0.3612 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(212, 247, 217) looks like.

```
.text, #text, p{  
    color:rgb(212, 247, 217)  
}
```

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(212, 247, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 247, 217) }
```

Border

The CSS property to change the border of an element to Yxy 85.5283, 0.3080, 0.3612 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(212, 247, 217) }
```

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

```
.border{ border-color:rgb(212, 247, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 247, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 247, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 247, 217);  
box-shadow:4px 4px 4px 4px rgb(212, 247,  
217) }
```


Background

The CSS property to change the background color of an element to Yxy 85.5283, 0.3080, 0.3612 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 247, 217) }
```

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

```
.background{ background-color: rgb(212,  
247, 217) }
```

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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awesome pro features!

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