

Converting Colors

Yxy(84.9635, 0.3042, 0.3442)

Have a look what the booklet for
Yxy(84.9635, 0.3042, 0.3442)
contains.

Yxy(85.1102, 0.3043, 0.3448)	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(85.1102, 0.3043, 0.3448)

Conversions

Conversions Part 1

Format	Color
Hex	D9F4E5
RGB	217, 244, 229
RGB Percent	85%, 96%, 90%
CMY	0.1490, 0.0431, 0.1019
CMYK	0.11, 0.00, 0.06, 0.04
HSL	147°, 55%, 90%
HSV	147°, 11%, 96%
XYZ	75.1132, 85.1102, 86.6159
YIQ	234.2170, -11.2770, -10.3890

Conversions

Conversions Part 2

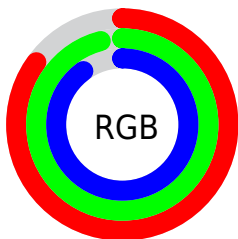
Format	Color
R _Y B	217, 236, 244
Decimal	14284005
CIE Lab	93.93, -11.57, 4.22
CIE LCh	94, 12.314, 159.954
Yxy	85.1102, 0.3043, 0.3448
Android (android.graphics.Color)	4292474085 (0xFFD9F4E5)
YUV	234.2170, -2.5720, -15.0993
Hunter-Lab	92.2552, -16.1138, 8.9128

Details

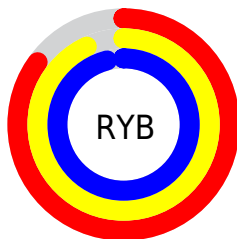
The Yxy color **85.1102, 0.3043, 0.3448** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **74.6890, 0.3221, 0.3137**, and the grayscale version is **82.4828, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **46.7038, 0.3021, 0.3481** is the 20% darker color. If you saturate the color by 10%, you get **80.9197, 0.2969, 0.3609**, and if you desaturate by 10%, it is **89.9196, 0.3119, 0.3304**.

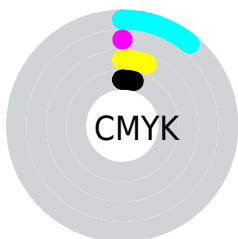
Distribution



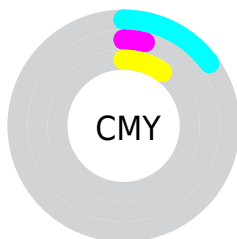
- Red (85%)
- Green (96%)
- Blue (90%)



- Red (85%)
- Yellow (93%)
- Blue (96%)



- Cyan (11%)
- Magenta (0%)
- Yellow (6%)
- Black (4%)





- Cyan (15%)
- Magenta (4%)
- Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 85.1102, 0.3043, 0.3448 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 85.1102, 0.3043, 0.3448 by changing the saturation by 10% instead.

 85.1102, 0.3043,
0.3448

 85.1102, 0.3043,
0.3448


511.9926, 0.3081,
0.3376

 63.9324, 0.3034,
0.3464


140.5271, 0.3056,
0.3423

 46.5960, 0.3024,
0.3484


175.5351, 0.3061,
0.3414

 32.7164, 0.3010,
0.3509


215.9219, 0.3066,
0.3405

 21.9092, 0.2993,
0.3542

262.0720, 0.3070,
0.3398

 13.7902, 0.2970,
0.3585

314.3697, 0.3073,
0.3391

 7.9749, 0.2937,
0.3647

373.1994, 0.3076,

 4.0789, 0.2887,

0.3386

0.3743

438.9456, 0.3079,
0.3381

■ 1.7178, 0.2801,
0.3906

■ 0.4351, 0.1761,
0.5841

■ 85.1102, 0.3043,
0.3448

■ 85.1102, 0.3043,
0.3448

■ 80.9197, 0.2969,
0.3609


■ 89.9196, 0.3119,
0.3304

■ 77.3119, 0.2900,
0.3787


■ 93.1821, 0.3132,
0.3185


■ 74.2630, 0.2838,
0.3981


■ 71.7434, 0.2787,
0.4188

 69.7208, 0.2750,
0.4404

 68.1589, 0.2731,
0.4625

 67.0165, 0.2731,
0.4841

 66.2444, 0.2752,
0.5047

 65.7983, 0.2783,
0.5218

Harmonies

Analogous

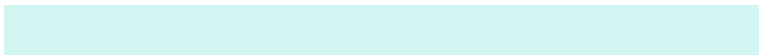
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.1102, 0.3184, 0.3524



85.1102, 0.3043, 0.3448



85.1102, 0.2926, 0.3327

Triad

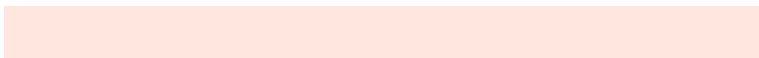
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



85.1102, 0.3043, 0.3448



85.1102, 0.2942, 0.3054



85.1102, 0.3399, 0.3371

Complementary

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



85.1102, 0.3043, 0.3448



74.6890, 0.3221, 0.3137

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.



85.1102, 0.3331, 0.3249



85.1102, 0.3043, 0.3448



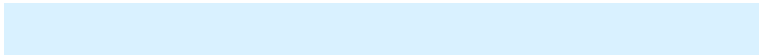
85.1102, 0.3065, 0.3069

Square

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



85.1102, 0.3043, 0.3448



85.1102, 0.2868, 0.3100



85.1102, 0.3208, 0.3140



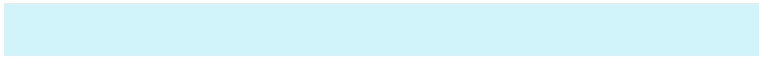
85.1102, 0.3392, 0.3475

Rectangle

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



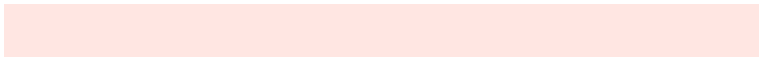
85.1102, 0.3043, 0.3448



85.1102, 0.2877, 0.3240



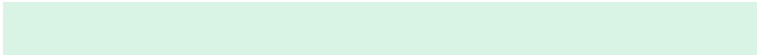
85.1102, 0.3208, 0.3140



85.1102, 0.3384, 0.3331

Sweetspot

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



85.1138, 0.3043, 0.3448



98.3075, 0.3104, 0.3331



86.9191, 0.3214, 0.3570



20.9473, 0.3098, 0.3342



0.0000, 0.0000, 0.0000



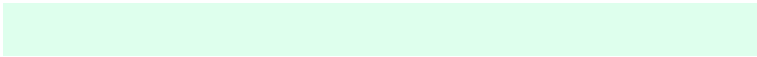
21.4041, 0.3127, 0.3290

Same Dimension

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



85.1138, 0.3043, 0.3448



93.1175, 0.3028, 0.3478



85.8781, 0.2967, 0.3308



18.5947, 0.3055, 0.3424



35.8037, 0.2774, 0.5188



3.1672, 0.2707, 0.4945

Inverse Universe

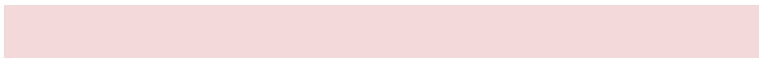
The Inverse Universe completely reimagines the original color for something new.



74.6890, 0.3221, 0.3137



79.7285, 0.3240, 0.3109



73.9681, 0.3312, 0.3272



16.6364, 0.3206, 0.3159



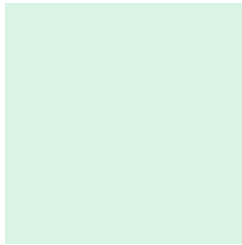
11.4426, 0.4729, 0.2379



1.0264, 0.4486, 0.2245

Previews

White Background



This preview shows how the Yxy color 85.1102, 0.3043, 0.3448 looks on a white background.

Color Contrast Check

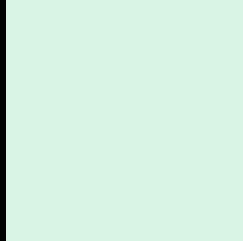
Large Text (above 18pt) WCAG AA × Fail

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 85.1102, 0.3043, 0.3448 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

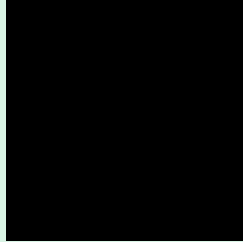
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

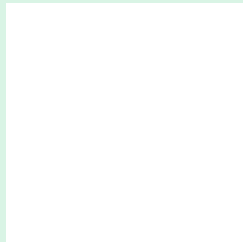
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 85.1102, 0.3043, 0.3448

Background



This preview shows how black text looks on a background with the Yxy color 85.1102, 0.3043, 0.3448.

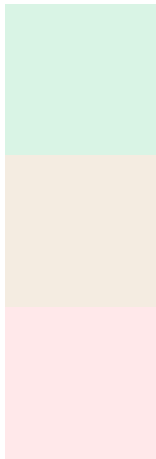


This preview shows how white text looks on a background with the Yxy color 85.1102, 0.3043, 0.3448.

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

85.1102, 0.3043, 0.3448

Protanopia

84.6602, 0.3251, 0.3402

Deuteranopia

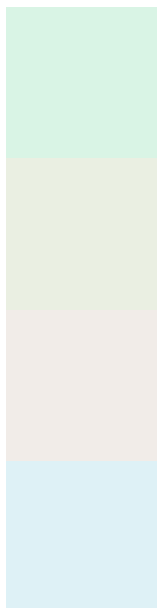
84.9137, 0.3272, 0.3271



Tritanopia

84.9606, 0.2943, 0.3127

Trichromacy



Original Color

85.1102, 0.3043, 0.3448

Protanomaly

84.7164, 0.3174, 0.3424

Deuteranomaly

84.5179, 0.3186, 0.3331

Tritanomaly

85.0940, 0.2976, 0.3238

Monochromacy



Original Color

85.1102, 0.3043, 0.3448

Achromatopsia

82.2786, 0.3127, 0.3290

Achromatomaly

83.4692, 0.3098, 0.3352

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.1102, 0.3043, 0.3448 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(217, 244, 229)` looks like.

```
.text, #text, p{  
    color:rgb(217, 244, 229)  
}
```

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(217, 244, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 244, 229) }
```

Border

The CSS property to change the border of an element to Yxy 85.1102, 0.3043, 0.3448 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(217, 244, 229) }
```

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

```
.border{ border-color:rgb(217, 244, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 244, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 244, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 244, 229);  
box-shadow:4px 4px 4px 4px rgb(217, 244,  
229) }
```


Background

The CSS property to change the background color of an element to Yxy 85.1102, 0.3043, 0.3448 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 244, 229) }
```

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

```
.background{ background-color: rgb(217,  
244, 229) }
```

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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