

Converting Colors

Yxy(84.6153, 0.3066, 0.3453)

Have a look what the booklet for
Yxy(84.6153, 0.3066, 0.3453)
contains.

Yxy(84.7073, 0.3068, 0.3459)	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(84.7073, 0.3068, 0.3459)

Conversions

Conversions Part 1

Format	Color
Hex	DBF3E3
RGB	219, 243, 227
RGB Percent	86%, 95%, 89%
CMY	0.1411, 0.0471, 0.1099
CMYK	0.10, 0.00, 0.07, 0.05
HSL	140°, 50%, 91%
HSV	140°, 10%, 95%
XYZ	75.1321, 84.7073, 85.0501
YIQ	234.0000, -9.1680, -10.0640

Conversions

Conversions Part 2

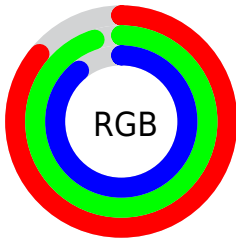
Format	Color
R _Y B	219, 237, 243
Decimal	14414819
CIE Lab	93.76, -10.78, 5.04
CIE LCh	94, 11.903, 154.922
Yxy	84.7073, 0.3068, 0.3459
Android (android.graphics.Color)	4292604899 (0xFFDBF3E3)
YUV	234.0000, -3.4510, -13.1550
Hunter-Lab	92.0366, -15.3493, 9.6363

Details

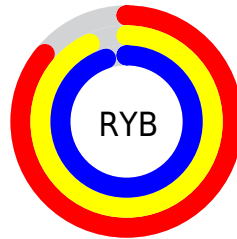
The Yxy color **84.7073, 0.3068, 0.3459** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **75.7310, 0.3192, 0.3127**, and the grayscale version is **82.3153, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **46.4117, 0.3052, 0.3495** is the 20% darker color. If you saturate the color by 10%, you get **80.3579, 0.3009, 0.3652**, and if you desaturate by 10%, it is **89.6986, 0.3128, 0.3288**.

Distribution



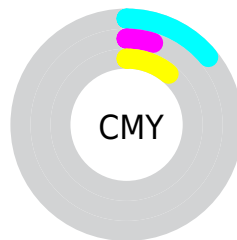
- Red (86%)
- Green (95%)
- Blue (89%)



- Red (86%)
- Yellow (93%)
- Blue (95%)



- Cyan (10%)
- Magenta (0%)
- Yellow (7%)
- Black (5%)




- Cyan (14%)
- Magenta (5%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 84.7073, 0.3068, 0.3459 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 84.7073, 0.3068, 0.3459 by changing the saturation by 10% instead.

 84.7073, 0.3068,
0.3459

 84.7073, 0.3068,
0.3459


510.6590, 0.3095,
0.3382

 63.5996, 0.3062,
0.3476

139.9642, 0.3077,
0.3432

 46.3264, 0.3054,
0.3498

174.8821, 0.3081,
0.3422

 32.5035, 0.3045,
0.3525


215.1721, 0.3084,
0.3413

 21.7464, 0.3032,
0.3560

261.2188, 0.3087,
0.3405

 13.6706, 0.3015,
0.3607

313.4064, 0.3089,
0.3398

 7.8920, 0.2991,
0.3674

372.1194, 0.3092,

 4.0259, 0.2954,

0.3392

0.3777

437.7421, 0.3093,
0.3387

■ 1.6881, 0.2889,
0.3955

■ 0.4159, 0.2038,
0.6417

■ 84.7073, 0.3068,
0.3459

■ 84.7073, 0.3068,
0.3459

■ 80.3579, 0.3009,
0.3652

■ 89.6986, 0.3128,
0.3288

■ 76.6136, 0.2953,
0.3866

■ 92.5820, 0.3133,
0.3175

■ 73.4500, 0.2902,
0.4100

■ 70.8371, 0.2860,
0.4350

■ 68.7418, 0.2831,
0.4610

■ 67.1277, 0.2816,
0.4870

■ 65.9532, 0.2819,
0.5120

■ 65.1691, 0.2840,
0.5348

■ 64.6964, 0.2873,
0.5543

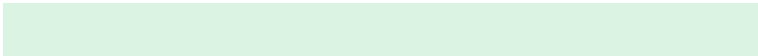
Harmonies

Analogous

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



84.7073, 0.3205, 0.3522



84.7073, 0.3068, 0.3459



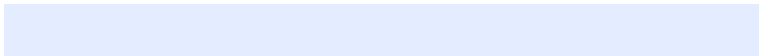
84.7073, 0.2948, 0.3347

Triad

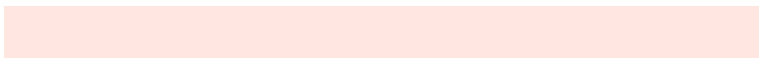
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



84.7073, 0.3068, 0.3459



84.7073, 0.2932, 0.3064



84.7073, 0.3384, 0.3349

Complementary

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



84.7073, 0.3068, 0.3459



75.7310, 0.3192, 0.3127

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.



84.7073, 0.3308, 0.3231



84.7073, 0.3068, 0.3459



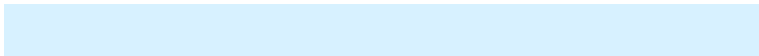
84.7073, 0.3045, 0.3069

Square

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



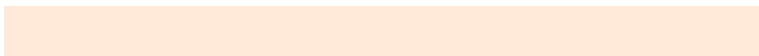
84.7073, 0.3068, 0.3459



84.7073, 0.2871, 0.3119



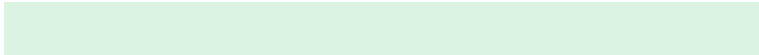
84.7073, 0.3183, 0.3130



84.7073, 0.3390, 0.3455

Rectangle

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



84.7073, 0.3068, 0.3459



84.7073, 0.2894, 0.3263



84.7073, 0.3183, 0.3130



84.7073, 0.3366, 0.3310

Sweetspot

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



84.7109, 0.3068, 0.3459



98.2531, 0.3109, 0.3339



86.9495, 0.3223, 0.3537



20.9326, 0.3104, 0.3353



0.0000, 0.0000, 0.0000



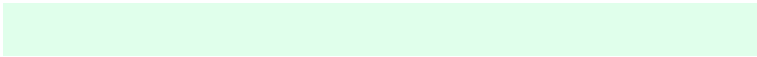
21.4041, 0.3127, 0.3290

Same Dimension

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



84.7109, 0.3068, 0.3459



93.4039, 0.3055, 0.3499



85.3745, 0.3000, 0.3336



18.5628, 0.3070, 0.3452



35.5266, 0.2866, 0.5517



3.1407, 0.2796, 0.5266

Inverse Universe

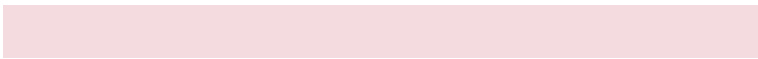
The Inverse Universe completely reimagines the original color for something new.



75.7310, 0.3192, 0.3127



81.3695, 0.3207, 0.3090



75.0809, 0.3271, 0.3245



16.6693, 0.3189, 0.3133



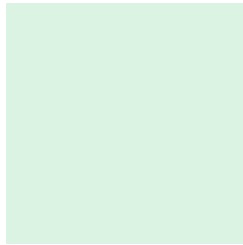
11.9221, 0.4269, 0.2125



1.0668, 0.4102, 0.2033

Previews

White Background



This preview shows how the Yxy color 84.7073, 0.3068, 0.3459 looks on a white background.

Color Contrast Check

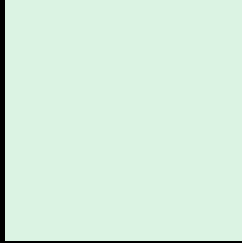
Large Text (above 18pt) WCAG AA × Fail

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 84.7073, 0.3068, 0.3459 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

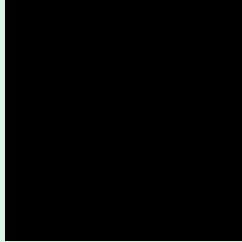
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

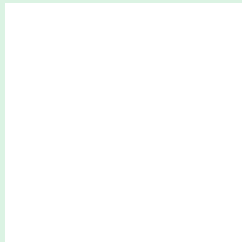
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 84.7073, 0.3068, 0.3459

Background



This preview shows how black text looks on a background with the Yxy color 84.7073, 0.3068, 0.3459.

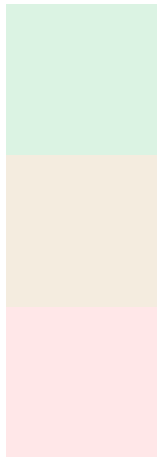


This preview shows how white text looks on a background with the Yxy color 84.7073, 0.3068, 0.3459.

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

84.7073, 0.3068, 0.3459

Protanopia

84.5517, 0.3263, 0.3422

Deuteranopia

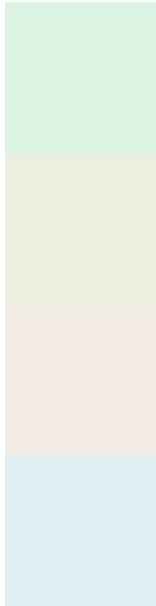
84.2380, 0.3286, 0.3281



Tritanopia

84.5378, 0.2949, 0.3117

Trichromacy



Original Color

84.7073, 0.3068, 0.3459

Protanomaly

84.7770, 0.3193, 0.3445

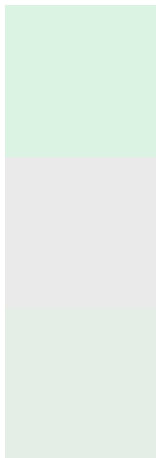
Deuteranomaly

84.0071, 0.3206, 0.3341

Tritanomaly

84.6007, 0.2988, 0.3238

Monochromacy



Original Color

84.7073, 0.3068, 0.3459

Achromatopsia

82.2786, 0.3127, 0.3290

Achromatomaly

82.9959, 0.3111, 0.3352

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.7073, 0.3068, 0.3459 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(219, 243, 227)` looks like.

```
.text, #text, p{  
    color:rgb(219, 243, 227)  
}
```

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(219, 243, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 243, 227) }
```

Border

The CSS property to change the border of an element to Yxy 84.7073, 0.3068, 0.3459 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(219, 243, 227) }
```

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

```
.border{ border-color:rgb(219, 243, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 243, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 243, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 243, 227);  
box-shadow:4px 4px 4px 4px rgb(219, 243,  
227) }
```


Background

The CSS property to change the background color of an element to Yxy 84.7073, 0.3068, 0.3459 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 243, 227) }
```

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

```
.background{ background-color: rgb(219,  
243, 227) }
```

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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