

Converting Colors

$Y_{xy}(84.7574, 0.2973, 0.3308)$

Have a look what the booklet for
Yxy(84.7574, 0.2973, 0.3308)
contains.

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Color

Yxy(84.6068, 0.2974, 0.3300)

Conversions

Conversions Part 1

Format	Color
Hex	D9F2F1
RGB	217, 242, 241
RGB Percent	85%, 95%, 95%
CMY	0.1489, 0.0510, 0.0549
CMYK	0.10, 0.00, 0.00, 0.05
HSL	178°, 49%, 90%
HSV	178°, 10%, 95%
XYZ	76.2487, 84.6068, 95.5288
YIQ	234.4110, -14.5790, -5.6110

Conversions

Conversions Part 2

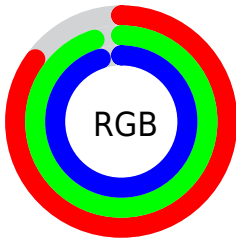
Format	Color
R _Y B	217, 230, 242
Decimal	14283505
CIE Lab	93.71, -8.31, -2.30
CIE LCh	94, 8.628, 195.484
Yxy	84.6068, 0.2974, 0.3300
Android (android.graphics.Color)	4292473585 (0xFFD9F2F1)
YUV	234.4110, 3.2484, -15.2694
Hunter-Lab	91.9820, -13.0004, 2.8112

Details

The Yxy color **84.6068, 0.2974, 0.3300** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **73.5777, 0.3303, 0.3280**, and the grayscale version is **82.5948, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **46.3020, 0.2940, 0.3303** is the 20% darker color. If you saturate the color by 10%, you get **81.1115, 0.2834, 0.3311**, and if you desaturate by 10%, it is **88.6533, 0.3122, 0.3290**.

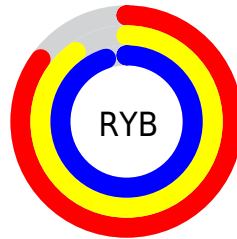
Distribution



Red (85%)

Green (95%)

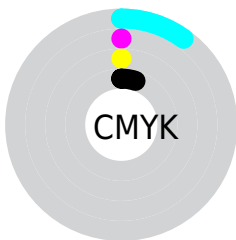
Blue (95%)



Red (85%)

Yellow (90%)

Blue (95%)

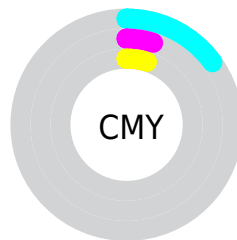


Cyan (10%)

Magenta (0%)

Yellow (0%)

Black (5%)



Cyan (15%)

Magenta (5%)

Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 84.6068, 0.2974, 0.3300 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 84.6068, 0.2974, 0.3300 by changing the saturation by 10% instead.

84.6068, 0.2974,
0.3300

84.6068, 0.2974,
0.3300

510.3261, 0.3043,
0.3296

63.5165, 0.2959,
0.3301

139.8237, 0.2997,
0.3299

46.2592, 0.2940,
0.3302

174.7191, 0.3007,
0.3298

32.4504, 0.2917,
0.3303

214.9850, 0.3015,
0.3298

21.7058, 0.2887,
0.3304

261.0059, 0.3022,
0.3297

13.6409, 0.2847,
0.3306

313.1660, 0.3028,
0.3297

7.8713, 0.2792,
0.3308

371.8498, 0.3033,

4.0127, 0.2710,

0.3297

0.3310

437.4417, 0.3038,
0.3296

■ 1.6807, 0.2574,
0.3312

■ 0.4111, 0.1555,
0.3405

■ 84.6068, 0.2974,
0.3300

■ 84.6068, 0.2974,
0.3300

■ 81.1115, 0.2834,
0.3311

■ 88.6533, 0.3122,
0.3290

■ 78.1331, 0.2705,
0.3322

■ 91.2318, 0.3207,
0.3281

■ 75.6500, 0.2590,
0.3334

■ 91.2906, 0.3201,
0.3272

■ 73.6347, 0.2492,
0.3347

■ 91.3497, 0.3195,
0.3262

72.0571, 0.2413,
0.3360

91.4091, 0.3189,
0.3253

70.8837, 0.2353,
0.3373

91.4688, 0.3183,
0.3244

70.0760, 0.2312,
0.3387

91.5288, 0.3177,
0.3234

69.5883, 0.2289,
0.3400

91.5891, 0.3171,
0.3225

69.3475, 0.2281,
0.3413

91.6498, 0.3165,
0.3216

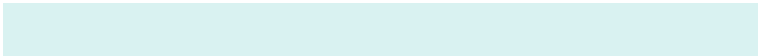
Harmonies

Analogous

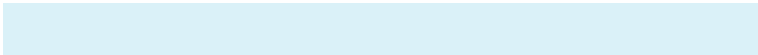
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.6068, 0.3051, 0.3386



84.6068, 0.2974, 0.3300



84.6068, 0.2938, 0.3212

Triad

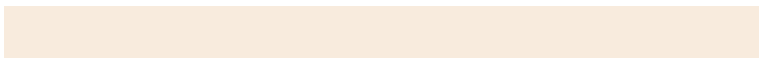
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



84.6068, 0.2974, 0.3300



84.6068, 0.3102, 0.3140



84.6068, 0.3306, 0.3431

Complementary

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



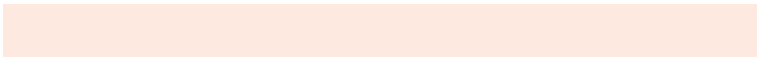
84.6068, 0.2974, 0.3300



73.5777, 0.3303, 0.3280

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.



84.6068, 0.3321, 0.3363



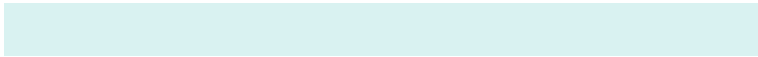
84.6068, 0.2974, 0.3300



84.6068, 0.3202, 0.3197

Square

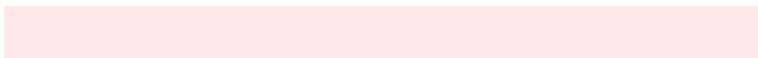
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



84.6068, 0.2974, 0.3300



84.6068, 0.3011, 0.3122



84.6068, 0.3282, 0.3278



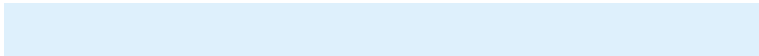
84.6068, 0.3243, 0.3462

Rectangle

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



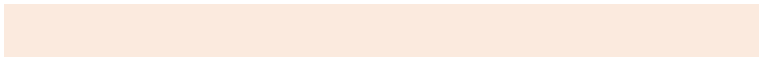
84.6068, 0.2974, 0.3300



84.6068, 0.2941, 0.3165



84.6068, 0.3282, 0.3278



84.6068, 0.3317, 0.3412

Sweetspot

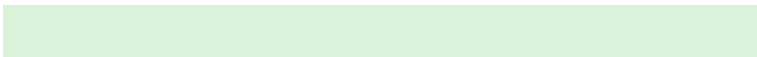
The Sweet Spot groups the original color and five complimentary colors.



84.6103, 0.2974, 0.3300



98.5581, 0.3082, 0.3293



83.4626, 0.3123, 0.3557



21.0151, 0.3070, 0.3294



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.



84.6103, 0.2974, 0.3300



94.5725, 0.2949, 0.3302



78.1836, 0.2967, 0.3171



17.9174, 0.2986, 0.3299



37.2590, 0.2281, 0.3410



3.1030, 0.2276, 0.3393

Inverse Universe

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



73.5777, 0.3303, 0.3280



80.2571, 0.3336, 0.3278



79.5195, 0.3297, 0.3407



15.7691, 0.3287, 0.3281



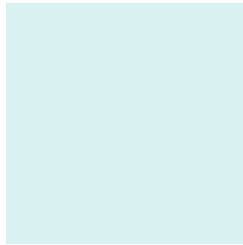
10.1571, 0.6358, 0.3276



0.8486, 0.6248, 0.3216

Previews

White Background



This preview shows how the Yxy color 84.6068, 0.2974, 0.3300 looks on a white background.

Color Contrast Check

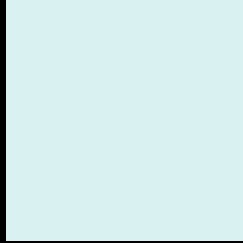
Large Text (above 18pt) WCAG AA × Fail

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 84.6068, 0.2974, 0.3300 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

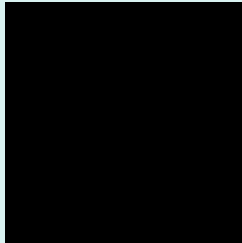
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

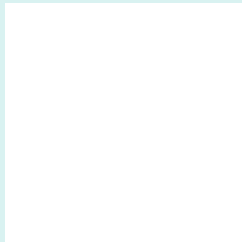
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 84.6068, 0.2974, 0.3300

Background



This preview shows how black text looks on a background with the Yxy color 84.6068, 0.2974, 0.3300.

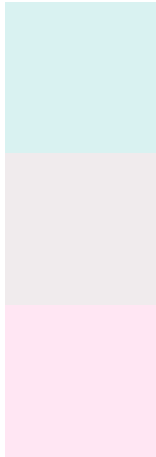


This preview shows how white text looks on a background with the Yxy color 84.6068, 0.2974, 0.3300.

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

84.6068, 0.2974, 0.3300

Protanopia

84.0564, 0.3148, 0.3270

Deuteranopia

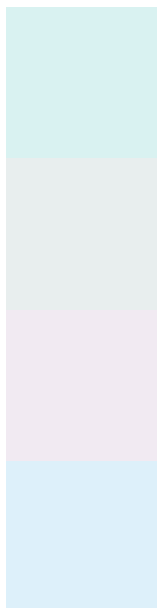
84.3247, 0.3215, 0.3163



Tritanopia

84.6410, 0.2931, 0.3126

Trichromacy



Original Color

84.6068, 0.2974, 0.3300

Protanomaly

84.4779, 0.3088, 0.3290

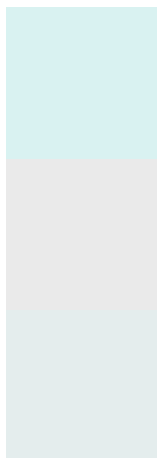
Deuteranomaly

83.9572, 0.3124, 0.3210

Tritanomaly

84.5945, 0.2947, 0.3187

Monochromacy



Original Color

84.6068, 0.2974, 0.3300

Achromatopsia

82.2786, 0.3127, 0.3290

Achromatomaly

83.1768, 0.3068, 0.3290

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.6068, 0.2974, 0.3300 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, 242, 241)` looks like.

```
.text, #text, p{  
    color:rgb(217, 242, 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(217, 242, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 242, 241) }
```

Border

The CSS property to change the border of an element to Yxy 84.6068, 0.2974, 0.3300 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, 242, 241) }
```

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

```
.border{ border-color:rgb(217, 242, 241) }
```

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

Here you see how a box with a 4 pixel rgb(217, 242, 241) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 242, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 242, 241);  
box-shadow:4px 4px 4px 4px rgb(217, 242,  
241) }
```


Background

The CSS property to change the background color of an element to Yxy 84.6068, 0.2974, 0.3300 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 242, 241) }
```

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

```
.background{ background-color: rgb(217,  
242, 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](#).

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