

Converting Colors

$Yxy(85.1408, 0.2974, 0.3331)$

Have a look what the booklet for
Yxy(85.1408, 0.2974, 0.3331)
contains.

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Color

Yxy(84.9321, 0.2979, 0.3332)

Conversions

Conversions Part 1

Format	Color
Hex	D8F3EF
RGB	216, 243, 239
RGB Percent	85%, 95%, 94%
CMY	0.1532, 0.0470, 0.0628
CMYK	0.11, 0.00, 0.02, 0.05
HSL	171°, 53%, 90%
HSV	171°, 11%, 95%
XYZ	75.9342, 84.9321, 94.0320
YIQ	234.4710, -14.8080, -6.9680

Conversions

Conversions Part 2

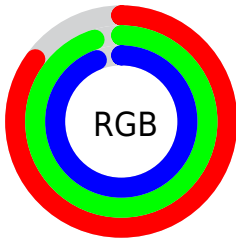
Format	Color
R _{YB}	216, 231, 243
Decimal	14218223
CIE Lab	93.85, -9.56, -1.06
CIE LCh	94, 9.618, 186.303
Yxy	84.9321, 0.2979, 0.3332
Android (android.graphics.Color)	4292408303 (0xFFD8F3EF)
YUV	234.4710, 2.2328, -16.1991
Hunter-Lab	92.1586, -14.2023, 4.0158

Details

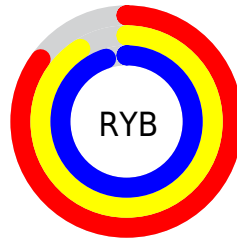
The Yxy color **84.9321, 0.2979, 0.3332** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **73.3100, 0.3298, 0.3249**, and the grayscale version is **82.6407, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **46.5366, 0.2947, 0.3344** is the 20% darker color. If you saturate the color by 10%, you get **81.2924, 0.2853, 0.3374**, and if you desaturate by 10%, it is **89.1306, 0.3112, 0.3294**.

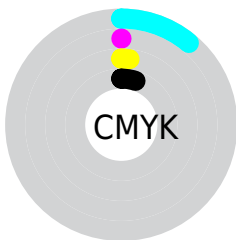
Distribution



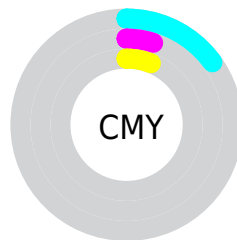
- Red (85%)
- Green (95%)
- Blue (94%)



- Red (85%)
- Yellow (91%)
- Blue (95%)



- Cyan (11%)
- Magenta (0%)
- Yellow (2%)
- Black (5%)





- Cyan (15%)
- Magenta (5%)
- Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 84.9321, 0.2979, 0.3332 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 84.9321, 0.2979, 0.3332 by changing the saturation by 10% instead.


 84.9321, 0.2979,
0.3332

 84.9321, 0.2979,
0.3332


511.4034, 0.3046,
0.3313

 63.7853, 0.2964,
0.3336

140.2783, 0.3002,
0.3326

 46.4768, 0.2946,
0.3341


175.2465, 0.3011,
0.3323

 32.6222, 0.2924,
0.3347


215.5906, 0.3018,
0.3321

 21.8372, 0.2895,
0.3355

261.6949, 0.3025,
0.3319

 13.7373, 0.2856,
0.3366

313.9440, 0.3031,
0.3317

 7.9382, 0.2803,
0.3380

372.7222, 0.3037,

 4.0554, 0.2722,

0.3316

438.4138, 0.3041,
0.3315

0.3401

1.7046, 0.2590,
0.3435

0.4266, 0.1514,
0.3752

84.9321, 0.2979,
0.3332

84.9321, 0.2979,
0.3332

81.2924, 0.2853,
0.3374

89.1306, 0.3112,
0.3294

78.1769, 0.2737,
0.3419

92.0429, 0.3186,
0.3259

75.5633, 0.2634,
0.3466

92.2685, 0.3164,
0.3224

73.4237, 0.2545,
0.3517

92.4984, 0.3142,
0.3190

71.7276, 0.2475,
0.3569

92.5943, 0.3133,
0.3175

70.4405, 0.2424,
0.3622

69.5232, 0.2393,
0.3676

68.9285, 0.2381,
0.3729

68.6045, 0.2382,
0.3776

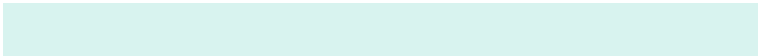
Harmonies

Analogous

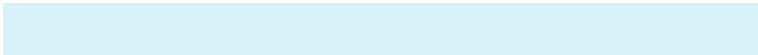
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.9321, 0.3075, 0.3422



84.9321, 0.2979, 0.3332



84.9321, 0.2923, 0.3231

Triad

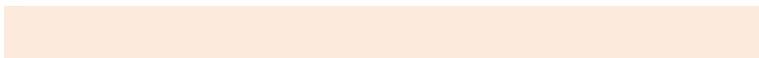
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



84.9321, 0.2979, 0.3332



84.9321, 0.3066, 0.3112



84.9321, 0.3338, 0.3427

Complementary

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



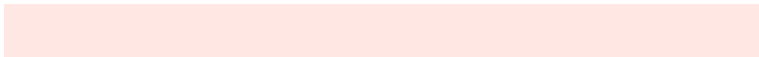
84.9321, 0.2979, 0.3332



73.3100, 0.3298, 0.3249

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.



84.9321, 0.3336, 0.3343



84.9321, 0.2979, 0.3332



84.9321, 0.3177, 0.3163

Square

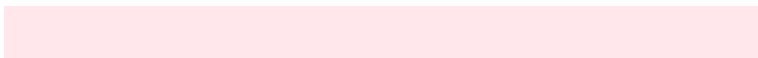
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



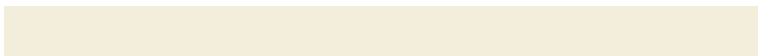
84.9321, 0.2979, 0.3332



84.9321, 0.2972, 0.3107



84.9321, 0.3277, 0.3247



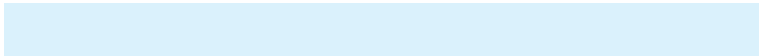
84.9321, 0.3282, 0.3477

Rectangle

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



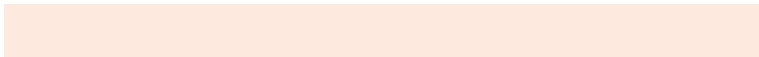
84.9321, 0.2979, 0.3332



84.9321, 0.2915, 0.3173



84.9321, 0.3277, 0.3247



84.9321, 0.3344, 0.3402

Sweetspot

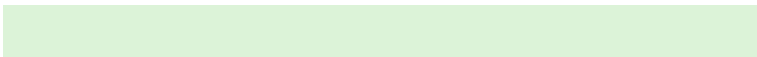
The Sweet Spot groups the original color and five complimentary colors.



84.9357, 0.2979, 0.3332



98.5044, 0.3087, 0.3301



84.2863, 0.3140, 0.3578



21.0005, 0.3076, 0.3304



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.



84.9357, 0.2979, 0.3332



93.9309, 0.2955, 0.3340



79.6505, 0.2954, 0.3190



18.7127, 0.3001, 0.3326



37.6609, 0.2380, 0.3768



3.3214, 0.2361, 0.3701

Inverse Universe

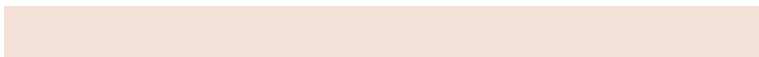
The Inverse Universe completely reimagines the original color for something new.



73.3100, 0.3298, 0.3249



78.9582, 0.3332, 0.3241



78.0932, 0.3315, 0.3388



16.5229, 0.3270, 0.3255



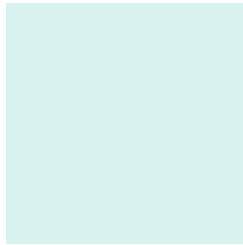
10.5409, 0.6196, 0.3187



0.9384, 0.5896, 0.3021

Previews

White Background



This preview shows how the Yxy color 84.9321, 0.2979, 0.3332 looks on a white background.

Color Contrast Check

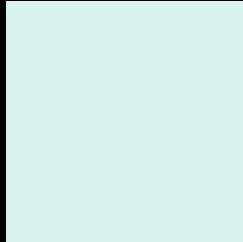
Large Text (above 18pt) WCAG AA × Fail

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 84.9321, 0.2979, 0.3332 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

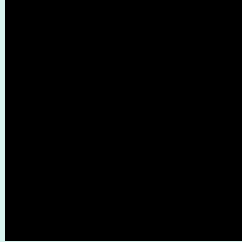
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

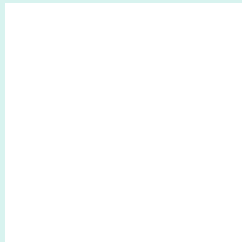
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 84.9321, 0.2979, 0.3332

Background



This preview shows how black text looks on a background with the Yxy color 84.9321, 0.2979, 0.3332.

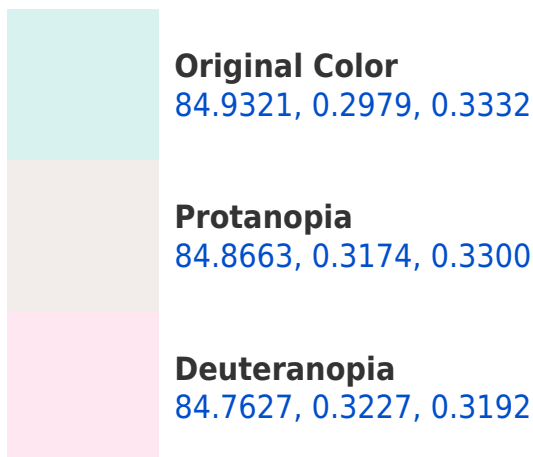


This preview shows how white text looks on a background with the Yxy color 84.9321, 0.2979, 0.3332.

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

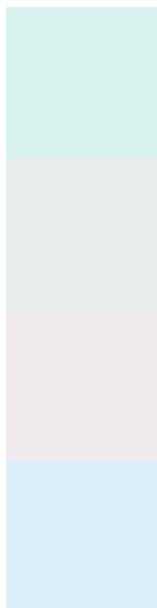




Tritanopia

84.6410, 0.2931, 0.3126

Trichromacy



Original Color

84.9321, 0.2979, 0.3332

Protanomaly

85.1128, 0.3106, 0.3321

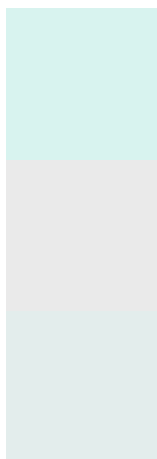
Deuteranomaly

84.4087, 0.3136, 0.3240

Tritanomaly

84.3754, 0.2946, 0.3197

Monochromacy



Original Color

84.9321, 0.2979, 0.3332

Achromatopsia

82.2786, 0.3127, 0.3290

Achromatomaly

82.9554, 0.3067, 0.3300

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.9321, 0.2979, 0.3332 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, 239)` looks like.

```
.text, #text, p{  
    color:rgb(216, 243, 239)  
}
```

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, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 243, 239) }
```

Border

The CSS property to change the border of an element to Yxy 84.9321, 0.2979, 0.3332 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, 239) }
```

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

```
.border{ border-color:rgb(216, 243, 239) }
```

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, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 243, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 243, 239);  
box-shadow:4px 4px 4px 4px rgb(216, 243,  
239) }
```


Background

The CSS property to change the background color of an element to Yxy 84.9321, 0.2979, 0.3332 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, 239) }
```

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

```
.background{ background-color: rgb(216,  
243, 239) }
```

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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