

Converting Colors

$Yxy(84.6995, 0.3003, 0.3375)$

Have a look what the booklet for
Yxy(84.6995, 0.3003, 0.3375)
contains.

Yxy(84.6983, 0.3002, 0.3374)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(84.6983, 0.3002, 0.3374)

Conversions

Conversions Part 1

Format	Color
Hex	D8F3EB
RGB	216, 243, 235
RGB Percent	85%, 95%, 92%
CMY	0.1530, 0.0470, 0.0784
CMYK	0.11, 0.00, 0.03, 0.05
HSL	162°, 53%, 90%
HSV	162°, 11%, 95%
XYZ	75.3599, 84.6983, 90.9741
YIQ	234.0150, -13.5240, -8.2120

Conversions

Conversions Part 2

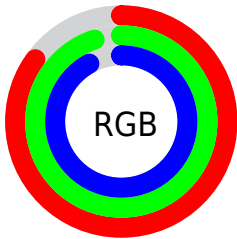
Format	Color
R _Y B	216, 232, 243
Decimal	14218219
CIE Lab	93.75, -10.30, 0.86
CIE LCh	94, 10.333, 175.240
Yxy	84.6983, 0.3002, 0.3374
Android (android.graphics.Color)	4292408299 (0xFFD8F3EB)
YUV	234.0150, 0.4856, -15.7992
Hunter-Lab	92.0317, -14.8912, 5.8135

Details

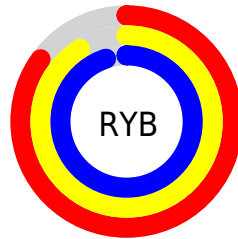
The Yxy color **84.6983, 0.3002, 0.3374** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **73.5387, 0.3270, 0.3208**, and the grayscale version is **82.2949, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **46.3724, 0.2976, 0.3399** is the 20% darker color. If you saturate the color by 10%, you get **80.8628, 0.2895, 0.3458**, and if you desaturate by 10%, it is **89.1051, 0.3114, 0.3298**.

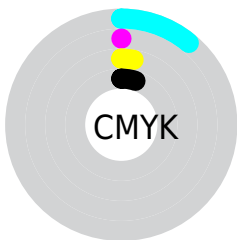
Distribution



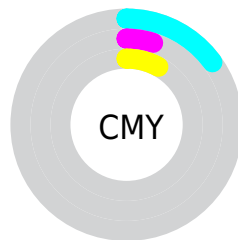
- Red (85%)
- Green (95%)
- Blue (92%)



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



- Cyan (11%)
- Magenta (0%)
- Yellow (3%)
- Black (5%)




- Cyan (15%)
- Magenta (5%)
- Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 84.6983, 0.3002, 0.3374 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 84.6983, 0.3002, 0.3374 by changing the saturation by 10% instead.


 84.6983, 0.3002,
0.3374

 84.6983, 0.3002,
0.3374


510.6292, 0.3058,
0.3336

 63.5921, 0.2989,
0.3382

139.9516, 0.3021,
0.3361

 46.3204, 0.2974,
0.3393


174.8675, 0.3029,
0.3356

 32.4987, 0.2955,
0.3406


215.1554, 0.3035,
0.3352

 21.7427, 0.2930,
0.3423

261.1997, 0.3041,
0.3348

 13.6680, 0.2897,
0.3445

313.3849, 0.3046,
0.3344

 7.8901, 0.2851,
0.3476

372.0953, 0.3051,

 4.0247, 0.2781,

0.3341

437.7152, 0.3055,
0.3339

0.3524

1.6874, 0.2665,
0.3604

0.4155, 0.1508,
0.4367

84.6983, 0.3002,
0.3374

84.6983, 0.3002,
0.3374

80.8628, 0.2895,
0.3458

89.1051, 0.3114,
0.3298

77.5637, 0.2795,
0.3550

92.2325, 0.3166,
0.3229

74.7788, 0.2706,
0.3648

92.5879, 0.3133,
0.3175

72.4800, 0.2630,
0.3753

■ 70.6363, 0.2572,
0.3863

■ 69.2134, 0.2532,
0.3976

■ 68.1718, 0.2513,
0.4090

■ 67.4640, 0.2514,
0.4203

■ 67.0486, 0.2528,
0.4302

Harmonies

Analogous

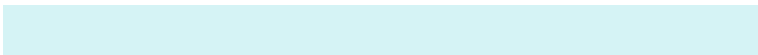
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.6983, 0.3114, 0.3460



84.6983, 0.3002, 0.3374



84.6983, 0.2924, 0.3266

Triad

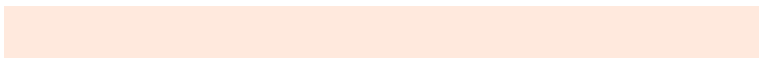
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



84.6983, 0.3002, 0.3374



84.6983, 0.3020, 0.3091



84.6983, 0.3361, 0.3407

Complementary

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



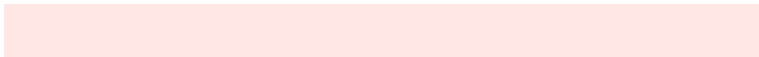
84.6983, 0.3002, 0.3374



73.5387, 0.3270, 0.3208

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.



84.6983, 0.3335, 0.3309



84.6983, 0.3002, 0.3374



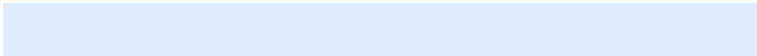
84.6983, 0.3137, 0.3129

Square

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



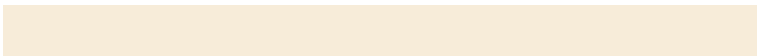
84.6983, 0.3002, 0.3374



84.6983, 0.2934, 0.3104



84.6983, 0.3252, 0.3208



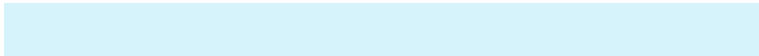
84.6983, 0.3323, 0.3477

Rectangle

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



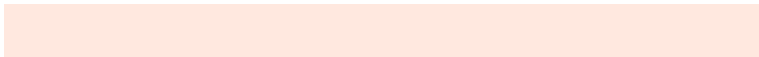
84.6983, 0.3002, 0.3374



84.6983, 0.2901, 0.3197



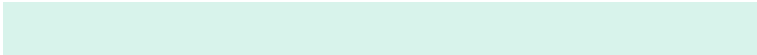
84.6983, 0.3252, 0.3208



84.6983, 0.3359, 0.3376

Sweetspot

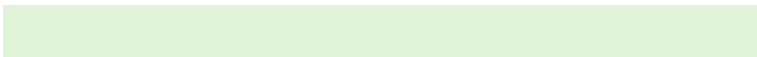
The Sweet Spot groups the original color and five complimentary colors.



84.7019, 0.3002, 0.3374



98.4327, 0.3093, 0.3312



84.9261, 0.3167, 0.3576



20.9811, 0.3084, 0.3318



0.0000, 0.0000, 0.0000



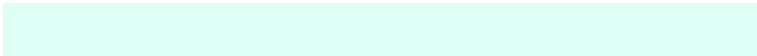
21.4041, 0.3127, 0.3290

Same Dimension

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



84.7019, 0.3002, 0.3374



93.6294, 0.2981, 0.3389



81.9866, 0.2955, 0.3233



18.6692, 0.3020, 0.3361



36.8197, 0.2523, 0.4284



3.2541, 0.2484, 0.4144

Inverse Universe

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



73.5387, 0.3270, 0.3208



79.2304, 0.3298, 0.3193



75.9301, 0.3320, 0.3347



16.5633, 0.3247, 0.3220



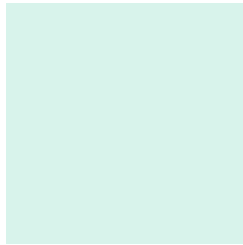
10.7352, 0.5777, 0.2956



0.9608, 0.5423, 0.2761

Previews

White Background



This preview shows how the Yxy color 84.6983, 0.3002, 0.3374 looks on a white background.

Color Contrast Check

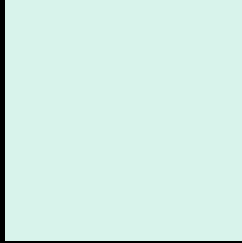
Large Text (above 18pt) WCAG AA × Fail

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 84.6983, 0.3002, 0.3374 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

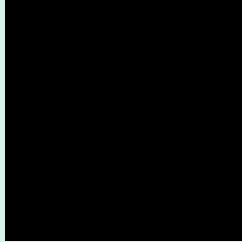
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

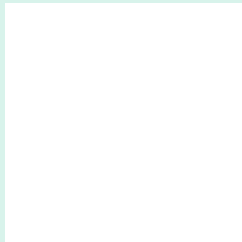
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 84.6983, 0.3002, 0.3374

Background



This preview shows how black text looks on a background with the Yxy color 84.6983, 0.3002, 0.3374.

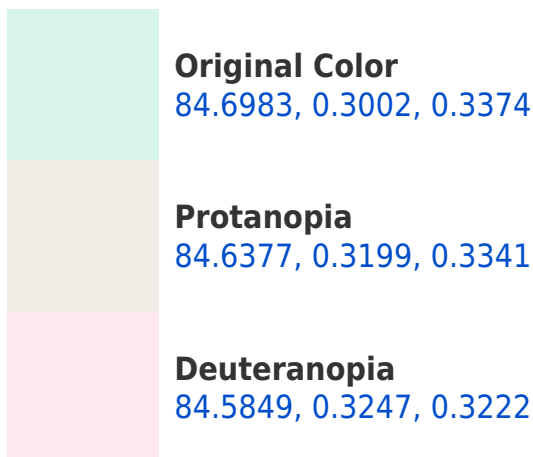


This preview shows how white text looks on a background with the Yxy color 84.6983, 0.3002, 0.3374.

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

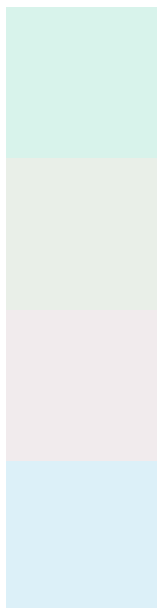




Tritanopia

84.6410, 0.2931, 0.3126

Trichromacy



Original Color

84.6983, 0.3002, 0.3374

Protanomaly

84.8828, 0.3130, 0.3362

Deuteranomaly

84.2319, 0.3155, 0.3270

Tritanomaly

84.3131, 0.2952, 0.3207

Monochromacy



Original Color

84.6983, 0.3002, 0.3374

Achromatopsia

82.2786, 0.3127, 0.3290

Achromatomaly

82.8398, 0.3079, 0.3321

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.6983, 0.3002, 0.3374 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, 235)` looks like.

```
.text, #text, p{  
    color:rgb(216, 243, 235)  
}
```

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, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 243, 235) }
```

Border

The CSS property to change the border of an element to Yxy 84.6983, 0.3002, 0.3374 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, 235) }
```

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

```
.border{ border-color:rgb(216, 243, 235) }
```

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, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 243, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 243, 235);  
box-shadow:4px 4px 4px 4px rgb(216, 243,  
235) }
```


Background

The CSS property to change the background color of an element to Yxy 84.6983, 0.3002, 0.3374 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, 235) }
```

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

```
.background{ background-color: rgb(216,  
243, 235) }
```

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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