

Converting Colors

$Yxy(83.3197, 0.3038, 0.3379)$

Have a look what the booklet for
Yxy(83.3197, 0.3038, 0.3379)
contains.

Yxy(83.2064, 0.3039, 0.3374)	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(83.2064, 0.3039, 0.3374)

Conversions

Conversions Part 1

Format	Color
Hex	DBF0E8
RGB	219, 240, 232
RGB Percent	86%, 94%, 91%
CMY	0.1411, 0.0588, 0.0902
CMYK	0.09, 0.00, 0.03, 0.06
HSL	157°, 41%, 90%
HSV	157°, 9%, 94%
XYZ	74.9449, 83.2064, 88.4592
YIQ	232.8090, -9.9480, -6.9400

Conversions

Conversions Part 2

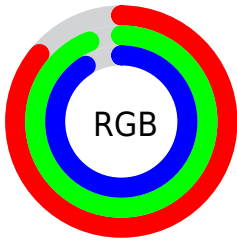
Format	Color
R _Y B	219, 232, 240
Decimal	14414056
CIE Lab	93.10, -8.35, 1.49
CIE LCh	93, 8.486, 169.875
Yxy	83.2064, 0.3039, 0.3374
Android (android.graphics.Color)	4292604136 (0xFFDBF0E8)
YUV	232.8090, -0.3988, -12.1105
Hunter-Lab	91.2175, -12.9739, 6.3552

Details

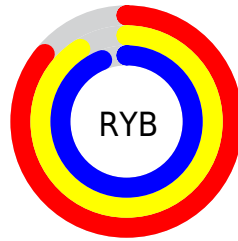
The Yxy color **83.2064, 0.3039, 0.3374** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **74.7481, 0.3224, 0.3208**, and the grayscale version is **81.3482, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.3081, 0.3022, 0.3399** is the 20% darker color. If you saturate the color by 10%, you get **79.2452, 0.2941, 0.3480**, and if you desaturate by 10%, it is **87.7384, 0.3140, 0.3279**.

Distribution



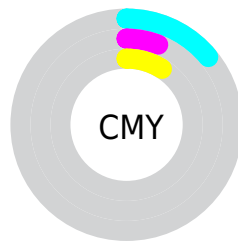
- Red (86%)
- Green (94%)
- Blue (91%)



- Red (86%)
- Yellow (91%)
- Blue (94%)



- Cyan (9%)
- Magenta (0%)
- Yellow (3%)
- Black (6%)



- Cyan (14%)
- Magenta (6%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 83.2064, 0.3039, 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 83.2064, 0.3039, 0.3374 by changing the saturation by 10% instead.


 83.2064, 0.3039,
0.3374

 83.2064, 0.3039,
0.3374


505.6741, 0.3079,
0.3336

 62.3604, 0.3030,
0.3383


137.8645, 0.3053,
0.3361

 45.3240, 0.3019,
0.3393


172.4454, 0.3058,
0.3356

 31.7127, 0.3005,
0.3406


212.3735, 0.3063,
0.3351

 21.1422, 0.2988,
0.3423

258.0330, 0.3067,
0.3347

 13.2280, 0.2964,
0.3446

309.8085, 0.3070,
0.3344

 7.5857, 0.2930,
0.3479

368.0842, 0.3074,

 3.8310, 0.2879,

0.3341

433.2446, 0.3076,
0.3338

0.3528

1.5795, 0.2793,
0.3613

0.3437, 0.1667,
0.4667

83.2064, 0.3039,
0.3374

83.2064, 0.3039,
0.3374

79.2452, 0.2941,
0.3480

87.7384, 0.3140,
0.3279

75.8209, 0.2849,
0.3597

90.4999, 0.3163,
0.3191

72.9121, 0.2767,
0.3724

90.7993, 0.3134,
0.3146

70.4920, 0.2696,
0.3860

■ 68.5310, 0.2640,
0.4003

■ 66.9964, 0.2603,
0.4151

■ 65.8511, 0.2586,
0.4301

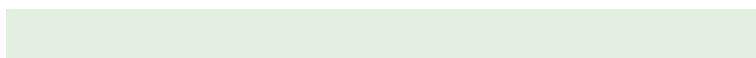
■ 65.0511, 0.2589,
0.4449

■ 64.5318, 0.2611,
0.4594

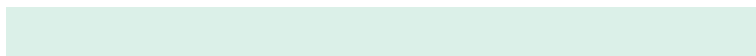
Harmonies

Analogous

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



83.2064, 0.3135, 0.3438



83.2064, 0.3039, 0.3374



83.2064, 0.2968, 0.3287

Triad

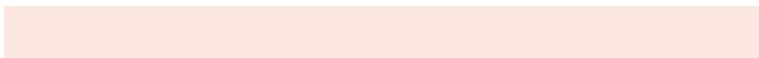
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.2064, 0.3039, 0.3374



83.2064, 0.3024, 0.3124



83.2064, 0.3320, 0.3374

Complementary

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



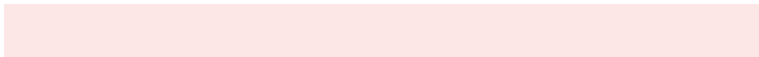
83.2064, 0.3039, 0.3374



74.7481, 0.3224, 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.



83.2064, 0.3289, 0.3290



83.2064, 0.3039, 0.3374



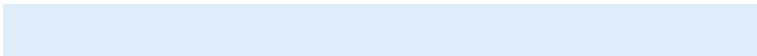
83.2064, 0.3117, 0.3148

Square

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



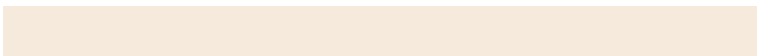
83.2064, 0.3039, 0.3374



83.2064, 0.2959, 0.3143



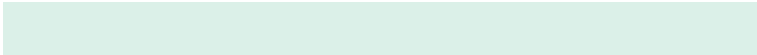
83.2064, 0.3215, 0.3208



83.2064, 0.3298, 0.3437

Rectangle

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



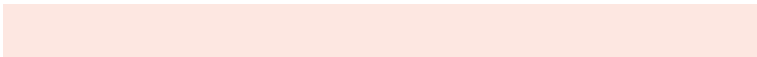
83.2064, 0.3039, 0.3374



83.2064, 0.2943, 0.3228



83.2064, 0.3215, 0.3208



83.2064, 0.3315, 0.3347

Sweetspot

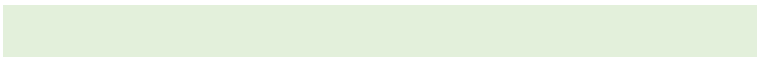
The Sweet Spot groups the original color and five complimentary colors.



83.2099, 0.3039, 0.3374



98.3916, 0.3097, 0.3318



83.7765, 0.3170, 0.3511



20.9700, 0.3088, 0.3326



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

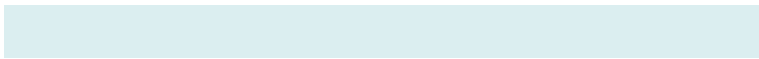
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.2099, 0.3039, 0.3374



94.8704, 0.3026, 0.3387



82.2434, 0.2992, 0.3264



17.8209, 0.3032, 0.3381



35.3221, 0.2608, 0.4589



2.9578, 0.2555, 0.4398

Inverse Universe

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



74.7481, 0.3224, 0.3208



83.8204, 0.3240, 0.3195



75.6033, 0.3277, 0.3316



15.8585, 0.3233, 0.3200



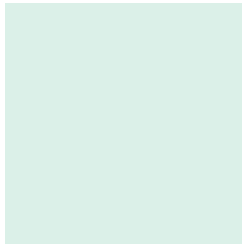
10.5825, 0.5454, 0.2778



0.8992, 0.5098, 0.2582

Previews

White Background



This preview shows how the Yxy color 83.2064, 0.3039, 0.3374 looks on a white background.

Color Contrast Check

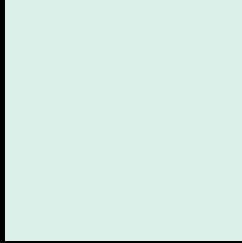
Large Text (above 18pt) WCAG AA × Fail

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 83.2064, 0.3039, 0.3374 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

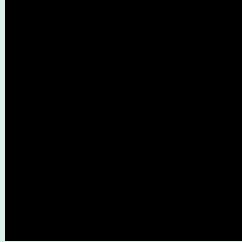
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

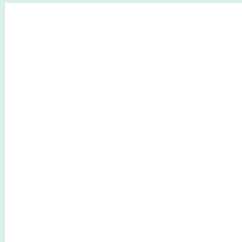
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 83.2064, 0.3039, 0.3374

Background



This preview shows how black text looks on a background with the Yxy color 83.2064, 0.3039, 0.3374.

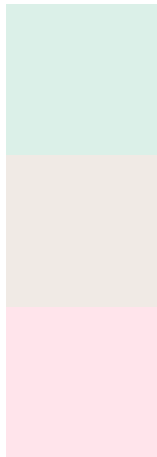


This preview shows how white text looks on a background with the Yxy color 83.2064, 0.3039, 0.3374.

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



Original Color

83.2064, 0.3039, 0.3374

Protanopia

83.0280, 0.3199, 0.3341

Deuteranopia

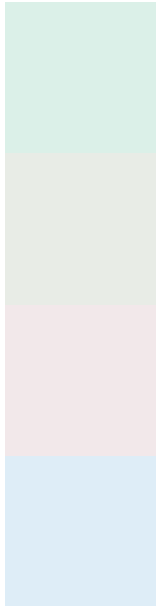
82.7450, 0.3269, 0.3221



Tritanopia

82.8989, 0.2930, 0.3095

Trichromacy



Original Color

83.2064, 0.3039, 0.3374

Protanomaly

82.8599, 0.3138, 0.3352

Deuteranomaly

82.5310, 0.3183, 0.3270

Tritanomaly

82.8134, 0.2970, 0.3186

Monochromacy



Original Color

83.2064, 0.3039, 0.3374

Achromatopsia

81.4847, 0.3127, 0.3290

Achromatomaly

82.3681, 0.3093, 0.3321

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.2064, 0.3039, 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(219, 240, 232)` looks like.

```
.text, #text, p{  
    color:rgb(219, 240, 232)  
}
```

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, 240, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 240, 232) }
```

Border

The CSS property to change the border of an element to Yxy 83.2064, 0.3039, 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(219, 240, 232) }
```

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

```
.border{ border-color:rgb(219, 240, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 240, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 240, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 240, 232);  
box-shadow:4px 4px 4px 4px rgb(219, 240,  
232) }
```


Background

The CSS property to change the background color of an element to Yxy 83.2064, 0.3039, 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(219, 240, 232) }
```

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

```
.background{ background-color: rgb(219,  
240, 232) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor