

Converting Colors

$Y_{xy}(114.7399, 0.3031, 0.3601)$

Have a look what the booklet for
Yxy(114.7399, 0.3031, 0.3601)
contains.

Yxy(96.0843, 0.3033, 0.3339)	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(96.0843, 0.3033, 0.3339)

Conversions

Conversions Part 1

Format	Color
Hex	EBFFFA
RGB	235, 255, 250
RGB Percent	92%, 100%, 98%
CMY	0.0784, 0.0000, 0.0195
CMYK	0.08, 0.00, 0.02, 0.00
HSL	165°, 100%, 96%
HSV	165°, 8%, 100%
XYZ	87.2787, 96.0843, 104.4007
YIQ	248.4500, -10.3150, -5.7950

Conversions

Conversions Part 2

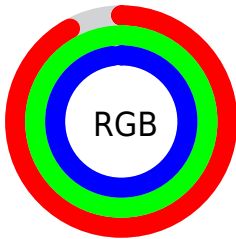
Format	Color
R _{YB}	235, 246, 255
Decimal	15466490
CIE _{Lab}	98.47, -7.40, 0.14
CIE _{LCh}	98, 7.399, 178.934
Y _{xy}	96.0843, 0.3033, 0.3339
Android (android.graphics.Color)	4293656570 (0xFFEBFFFA)
Y _{UV}	248.4500, 0.7642, -11.7956
Hunter-Lab	98.0226, -12.6042, 5.4680

Details

The Yxy color 96.0843, 0.3033, 0.3339 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 86.9697, 0.3231, 0.3242, and the grayscale version is 94.2586, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 53.8669, 0.3009, 0.3340 is the 20% darker color. If you saturate the color by 10%, you get 91.6601, 0.2917, 0.3407, and if you desaturate by 10%, it is 100.0000, 0.3127, 0.3290.

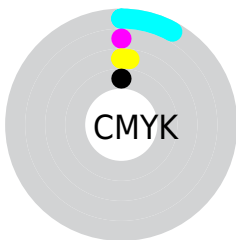
Distribution



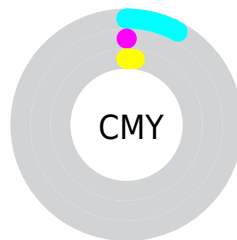
- Red (92%)
- Green (100%)
- Blue (98%)



- Red (92%)
- Yellow (96%)
- Blue (100%)



- Cyan (8%)
- Magenta (0%)
- Yellow (2%)
- Black (0%)





- Cyan (8%)
- Magenta (0%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 96.0843, 0.3033, 0.3339 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 96.0843, 0.3033, 0.3339 by changing the saturation by 10% instead.


 96.0843, 0.3033,
0.3339

 96.0843, 0.3033,
0.3339

547.6304, 0.3074,
0.3318

 73.0378, 0.3024,
0.3344


155.7618, 0.3047,
0.3332

 54.0068, 0.3013,
0.3349

193.1615, 0.3053,
0.3329

 38.6071, 0.3000,
0.3356


236.1144, 0.3057,
0.3326

 26.4542, 0.2982,
0.3365

285.0048, 0.3062,
0.3324

 17.1638, 0.2960,
0.3377

340.2173, 0.3065,
0.3322

 10.3513, 0.2929,
0.3393

402.1361, 0.3069,

 5.6325, 0.2885,

0.3320

0.3416

471.1457, 0.3072,
0.3319

■ 2.6229, 0.2815,
0.3452

■ 0.9382, 0.2670,
0.3527

■ 96.0843, 0.3033,
0.3339

■ 96.0843, 0.3033,
0.3339


■ 91.6601, 0.2917,
0.3407


100.0000, 0.3127,
0.3290


■ 87.8432, 0.2809,
0.3482


■ 84.6071, 0.2711,
0.3563

■ 81.9211, 0.2626,
0.3648

 79.7517, 0.2558,
0.3738

 78.0617, 0.2508,
0.3831

 76.8088, 0.2479,
0.3925

 75.9430, 0.2469,
0.4020

 75.3977, 0.2478,
0.4113

Harmonies

Analogous

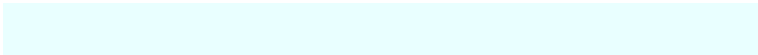
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



96.0843, 0.3109, 0.3400



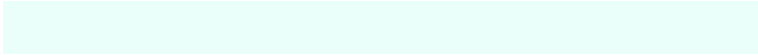
96.0843, 0.3033, 0.3339



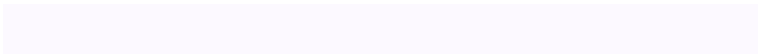
96.0843, 0.2983, 0.3265

Triad

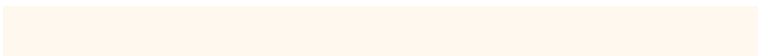
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



96.0843, 0.3033, 0.3339



96.0843, 0.3063, 0.3154



96.0843, 0.3286, 0.3378

Complementary

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



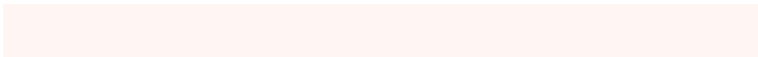
96.0843, 0.3033, 0.3339



86.9697, 0.3231, 0.3242

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.



96.0843, 0.3274, 0.3312



96.0843, 0.3033, 0.3339



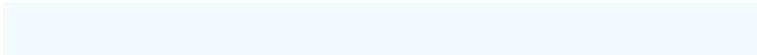
96.0843, 0.3144, 0.3184

Square

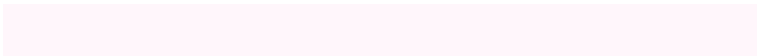
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



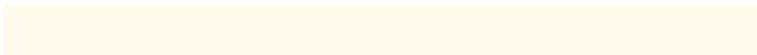
96.0843, 0.3033, 0.3339



96.0843, 0.3000, 0.3159



96.0843, 0.3222, 0.3242



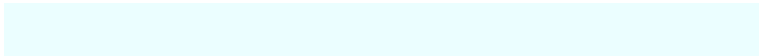
96.0843, 0.3255, 0.3422

Rectangle

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



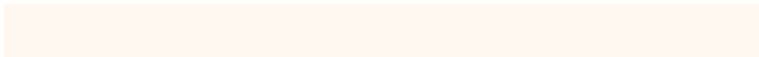
96.0843, 0.3033, 0.3339



96.0843, 0.2970, 0.3219



96.0843, 0.3222, 0.3242



96.0843, 0.3287, 0.3358

Sweetspot

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



96.0861, 0.3033, 0.3339



98.9639, 0.3103, 0.3302



96.0443, 0.3149, 0.3489



21.1932, 0.3104, 0.3302



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

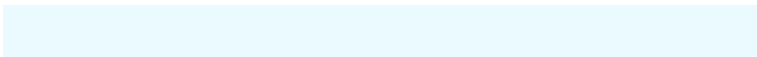
The Same Dimension uses a secret algorithm to generate beautiful new colors.



96.0861, 0.3033, 0.3339



95.5412, 0.3019, 0.3347



93.2548, 0.3005, 0.3240



20.3995, 0.3013, 0.3350



39.3717, 0.2477, 0.4117



3.8509, 0.2447, 0.4011

Inverse Universe

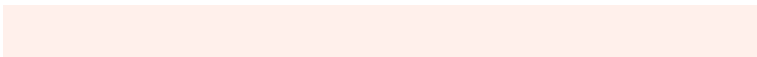
The Inverse Universe completely reimagines the original color for something new.



86.9697, 0.3231, 0.3242



85.1609, 0.3247, 0.3234



89.5805, 0.3258, 0.3339



18.0613, 0.3255, 0.3231



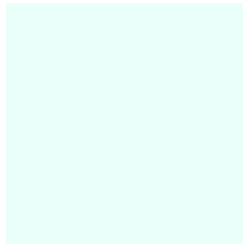
11.3194, 0.5938, 0.3045



1.1187, 0.5624, 0.2872

Previews

White Background



This preview shows how the Yxy color 96.0843, 0.3033, 0.3339 looks on a white background.

Color Contrast Check

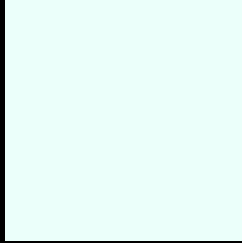
Large Text (above 18pt) WCAG AA × Fail

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 96.0843, 0.3033, 0.3339 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

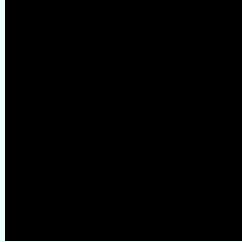
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

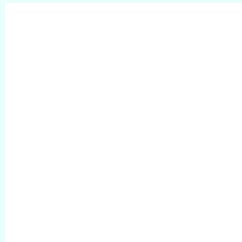
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 96.0843, 0.3033, 0.3339

Background



This preview shows how black text looks on a background with the Yxy color 96.0843, 0.3033, 0.3339.

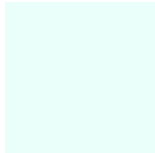


This preview shows how white text looks on a background with the Yxy color 96.0843, 0.3033, 0.3339.

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

96.0843, 0.3033, 0.3339

Protanopia

95.7268, 0.3177, 0.3309

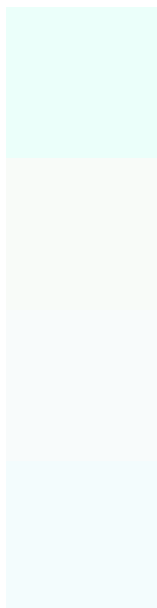
Deuteranopia

95.9764, 0.3153, 0.3271

Tritanopia

96.1708, 0.3085, 0.3251

Trichromacy



Original Color

96.0843, 0.3033, 0.3339

Protanomaly

95.7281, 0.3126, 0.3319

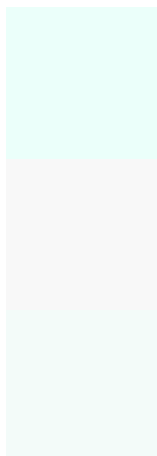
Deuteranomaly

95.9159, 0.3108, 0.3290

Tritanomaly

95.7673, 0.3066, 0.3280

Monochromacy



Original Color

96.0843, 0.3033, 0.3339

Achromatopsia

93.8686, 0.3127, 0.3290

Achromatomaly

94.8886, 0.3089, 0.3309

CSS Examples

Text

The CSS property to change the color of the text to Yxy 96.0843, 0.3033, 0.3339 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(235, 255, 250)` looks like.

```
.text, #text, p{  
    color:rgb(235, 255, 250)  
}
```

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(235, 255, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 255, 250) }
```

Border

The CSS property to change the border of an element to Yxy 96.0843, 0.3033, 0.3339 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(235, 255, 250) }
```

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

```
.border{ border-color:rgb(235, 255, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 255, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 255, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 255, 250);  
box-shadow:4px 4px 4px 4px rgb(235, 255,  
250) }
```


Background

The CSS property to change the background color of an element to Yxy 96.0843, 0.3033, 0.3339 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 255, 250) }
```

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

```
.background{ background-color: rgb(235,  
255, 250) }
```

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