

Converting Colors

$Yxy(93.8631, 0.3005, 0.3315)$

Have a look what the booklet for
Yxy(93.8631, 0.3005, 0.3315)
contains.

Yxy(93.9757, 0.3003, 0.3320)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(93.9757, 0.3003, 0.3320)

Conversions

Conversions Part 1

Format	Color
Hex	E6FDFA
RGB	230, 253, 250
RGB Percent	90%, 99%, 98%
CMY	0.0982, 0.0078, 0.0197
CMYK	0.09, 0.00, 0.01, 0.01
HSL	172°, 85%, 95%
HSV	172°, 9%, 99%
XYZ	85.0027, 93.9757, 104.0809
YIQ	245.7810, -12.7450, -5.8090

Conversions

Conversions Part 2

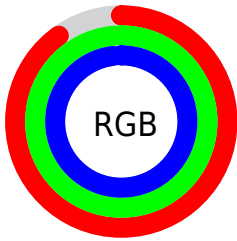
Format	Color
R_{YB}	230, 242, 253
Decimal	15138298
CIE Lab	97.62, -8.02, -1.12
CIE LCh	98, 8.100, 187.913
Yxy	93.9757, 0.3003, 0.3320
Android (android.graphics.Color)	4293328378 (0xFFE6FDFA)
YUV	245.7810, 2.0800, -13.8399
Hunter-Lab	96.9411, -13.1292, 4.2019

Details

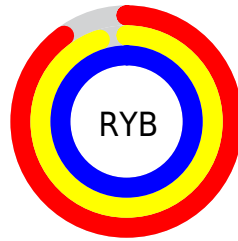
The Yxy color **93.9757, 0.3003, 0.3320** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **83.3458, 0.3267, 0.3260**, and the grayscale version is **91.9610, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **52.3736, 0.2971, 0.3315** is the 20% darker color. If you saturate the color by 10%, you get **89.8862, 0.2873, 0.3356**, and if you desaturate by 10%, it is **98.6330, 0.3138, 0.3287**.

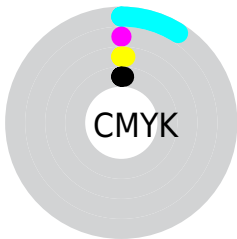
Distribution



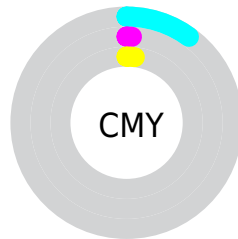
- Red (90%)
- Green (99%)
- Blue (98%)



- Red (90%)
- Yellow (95%)
- Blue (99%)



- Cyan (9%)
- Magenta (0%)
- Yellow (1%)
- Black (1%)




- Cyan (10%)
- Magenta (1%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 93.9757, 0.3003, 0.3320 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 93.9757, 0.3003, 0.3320 by changing the saturation by 10% instead.

 93.9757, 0.3003,
0.3320

 93.9757, 0.3003,
0.3320


540.8806, 0.3058,
0.3307

 71.2827, 0.2991,
0.3323

152.8487, 0.3022,
0.3316

 52.5730, 0.2977,
0.3326


189.7976, 0.3029,
0.3314

 37.4620, 0.2959,
0.3330

232.2672, 0.3035,
0.3312

 25.5654, 0.2936,
0.3336

280.6420, 0.3041,
0.3311

 16.4988, 0.2906,
0.3342

335.3063, 0.3046,
0.3310

 9.8778, 0.2865,
0.3352

396.6446, 0.3050,

 5.3180, 0.2806,

0.3309

465.0412, 0.3054,
0.3308

0.3365

■ 2.4350, 0.2712,
0.3385

■ 0.8438, 0.2477,
0.3448

■ 93.9757, 0.3003,
0.3320

■ 93.9757, 0.3003,
0.3320

■ 89.8862, 0.2873,
0.3356

■ 98.6330, 0.3138,
0.3287

■ 86.3778, 0.2752,
0.3395

■ 98.7411, 0.3128,
0.3271

■ 83.4266, 0.2644,
0.3437

■ 81.0023, 0.2552,
0.3481

■ 79.0718, 0.2476,
0.3526

■ 77.5981, 0.2420,
0.3573

■ 76.5390, 0.2384,
0.3620

■ 75.8445, 0.2366,
0.3666

■ 75.4399, 0.2366,
0.3712

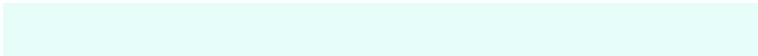
Harmonies

Analogous

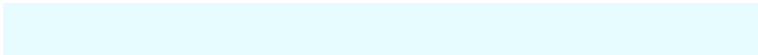
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



93.9757, 0.3080, 0.3394



93.9757, 0.3003, 0.3320



93.9757, 0.2959, 0.3239

Triad

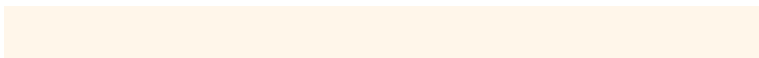
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



93.9757, 0.3003, 0.3320



93.9757, 0.3082, 0.3146



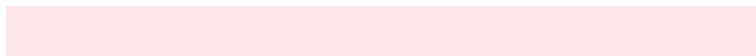
93.9757, 0.3297, 0.3405

Complementary

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



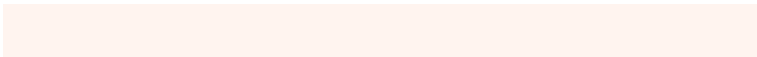
93.9757, 0.3003, 0.3320



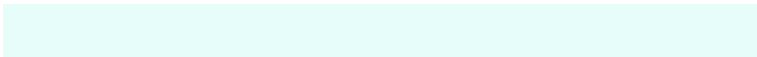
83.3458, 0.3267, 0.3260

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.



93.9757, 0.3298, 0.3338



93.9757, 0.3003, 0.3320



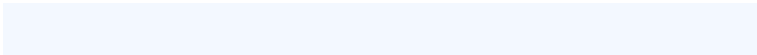
93.9757, 0.3173, 0.3190

Square

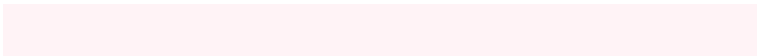
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



93.9757, 0.3003, 0.3320



93.9757, 0.3005, 0.3140



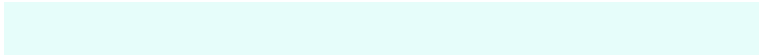
93.9757, 0.3252, 0.3259



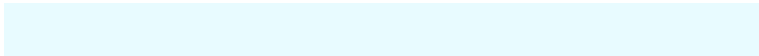
93.9757, 0.3250, 0.3443

Rectangle

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



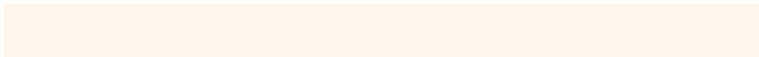
93.9757, 0.3003, 0.3320



93.9757, 0.2955, 0.3192



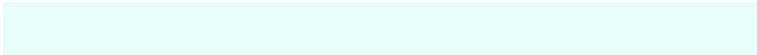
93.9757, 0.3252, 0.3259



93.9757, 0.3303, 0.3385

Sweetspot

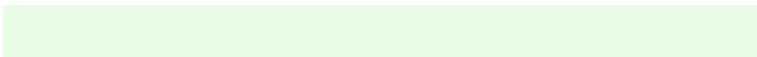
The Sweet Spot groups the original color and five complimentary colors.



93.9797, 0.3003, 0.3320



98.5130, 0.3086, 0.3300



93.3033, 0.3135, 0.3523



21.0029, 0.3075, 0.3302



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

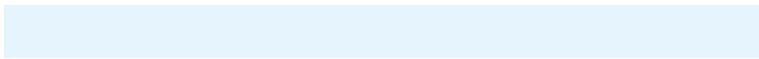
The Same Dimension uses a secret algorithm to generate beautiful new colors.



93.9797, 0.3003, 0.3320



94.8267, 0.2978, 0.3327



88.9532, 0.2986, 0.3205



20.4378, 0.2998, 0.3321



40.1248, 0.2364, 0.3709



3.9178, 0.2349, 0.3656

Inverse Universe

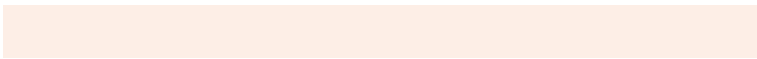
The Inverse Universe completely reimagines the original color for something new.



83.3458, 0.3267, 0.3260



81.9206, 0.3299, 0.3254



87.9910, 0.3278, 0.3374



18.0261, 0.3274, 0.3259



11.1800, 0.6234, 0.3208



1.1001, 0.5981, 0.3068

Previews

White Background



This preview shows how the Yxy color 93.9757, 0.3003, 0.3320 looks on a white background.

Color Contrast Check

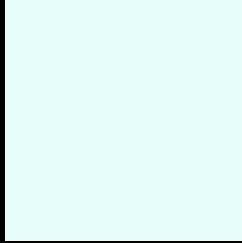
Large Text (above 18pt) WCAG AA × Fail

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 93.9757, 0.3003, 0.3320 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

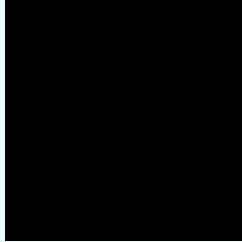
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

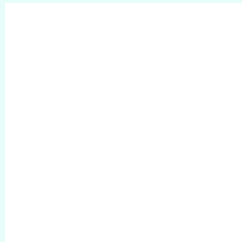
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 93.9757, 0.3003, 0.3320

Background



This preview shows how black text looks on a background with the Yxy color 93.9757, 0.3003, 0.3320.

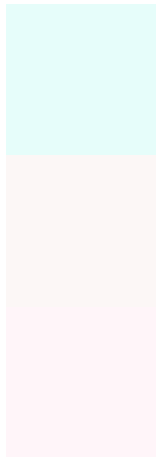


This preview shows how white text looks on a background with the Yxy color 93.9757, 0.3003, 0.3320.

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

93.9757, 0.3003, 0.3320

Protanopia

93.8708, 0.3165, 0.3300

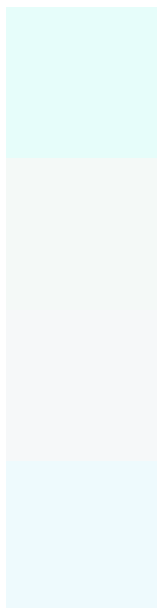
Deuteranopia

93.4044, 0.3168, 0.3252

Tritanopia

94.0260, 0.3055, 0.3231

Trichromacy



Original Color

93.9757, 0.3003, 0.3320

Protanomaly

93.6999, 0.3107, 0.3310

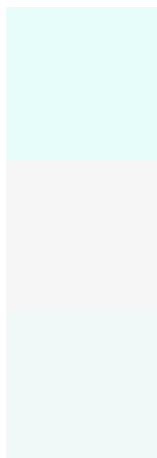
Deuteranomaly

93.5672, 0.3109, 0.3280

Tritanomaly

93.6402, 0.3035, 0.3260

Monochromacy



Original Color

93.9757, 0.3003, 0.3320

Achromatopsia

92.1582, 0.3127, 0.3290

Achromatomaly

92.9920, 0.3082, 0.3310

CSS Examples

Text

The CSS property to change the color of the text to Yxy 93.9757, 0.3003, 0.3320 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(230, 253, 250)` looks like.

```
.text, #text, p{  
    color:rgb(230, 253, 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(230, 253, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 253, 250) }
```

Border

The CSS property to change the border of an element to Yxy 93.9757, 0.3003, 0.3320 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(230, 253, 250) }
```

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

```
.border{ border-color:rgb(230, 253, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 253, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 253, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 253, 250);  
box-shadow:4px 4px 4px 4px rgb(230, 253,  
250) }
```


Background

The CSS property to change the background color of an element to Yxy 93.9757, 0.3003, 0.3320 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 253, 250) }
```

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

```
.background{ background-color: rgb(230,  
253, 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