

Converting Colors

$Yxy(93.0477, 0.2996, 0.3440)$

Have a look what the booklet for
Yxy(93.0477, 0.2996, 0.3440)
contains.

Yxy(93.0269, 0.2998, 0.3443)	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(93.0269, 0.2998, 0.3443)

Conversions

Conversions Part 1

Format	Color
Hex	DCFFF0
RGB	220, 255, 240
RGB Percent	86%, 100%, 94%
CMY	0.1373, 0.0000, 0.0586
CMYK	0.14, 0.00, 0.06, 0.00
HSL	154°, 100%, 93%
HSV	154°, 14%, 100%
XYZ	81.0034, 93.0269, 96.1611
YIQ	242.8250, -16.0450, -12.0850

Conversions

Conversions Part 2

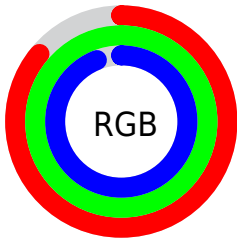
Format	Color
R_{YB}	220, 242, 255
Decimal	14483440
CIE _{Lab}	97.24, -14.05, 3.35
CIE _{LCh}	97, 14.441, 166.575
Yxy	93.0269, 0.2998, 0.3443
Android (android.graphics.Color)	4292673520 (0xFFDCFFF0)
YUV	242.8250, -1.3927, -20.0175
Hunter-Lab	96.4505, -18.8761, 8.4032

Details

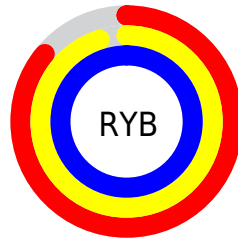
The Yxy color **93.0269, 0.2998, 0.3443** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **78.4285, 0.3278, 0.3142**, and the grayscale version is **89.5002, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **51.8482, 0.2973, 0.3474** is the 20% darker color. If you saturate the color by 10%, you get **88.7188, 0.2908, 0.3569**, and if you desaturate by 10%, it is **97.9794, 0.3092, 0.3329**.

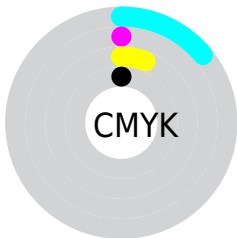
Distribution



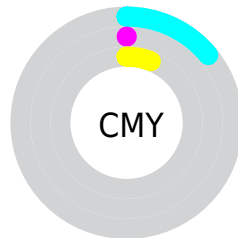
- Red (86%)
- Green (100%)
- Blue (94%)



- Red (86%)
- Yellow (95%)
- Blue (100%)



- Cyan (14%)
- Magenta (0%)
- Yellow (6%)
- Black (0%)





- Cyan (14%)
- Magenta (0%)
- Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 93.0269, 0.2998, 0.3443 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 93.0269, 0.2998, 0.3443 by changing the saturation by 10% instead.


 93.0269, 0.2998,
0.3443

 93.0269, 0.2998,
0.3443

537.8288, 0.3056,
0.3375

 70.4939, 0.2985,
0.3458


151.5359, 0.3018,
0.3420

 51.9293, 0.2970,
0.3477


188.2806, 0.3025,
0.3410

 36.9487, 0.2951,
0.3500

230.5313, 0.3032,
0.3403

 25.1678, 0.2926,
0.3529

278.6724, 0.3038,
0.3396

 16.2021, 0.2894,
0.3568

333.0883, 0.3043,
0.3389

 9.6673, 0.2849,
0.3623

394.1634, 0.3048,

 5.1789, 0.2783,

0.3384

0.3704

462.2821, 0.3052,
0.3379

■ 2.3526, 0.2676,
0.3837

■ 0.8013, 0.2254,
0.4312

■ 93.0269, 0.2998,
0.3443

■ 93.0269, 0.2998,
0.3443

■ 88.7188, 0.2908,
0.3569

■ 97.9794, 0.3092,
0.3329

■ 85.0289, 0.2826,
0.3707

100.0000, 0.3127,
0.3290

■ 81.9264, 0.2753,
0.3857

■ 79.3785, 0.2694,
0.4016

■ 77.3489, 0.2651,
0.4181

■ 75.7971, 0.2628,
0.4351

■ 74.6761, 0.2625,
0.4519

■ 73.9285, 0.2643,
0.4684

■ 73.5996, 0.2662,
0.4784

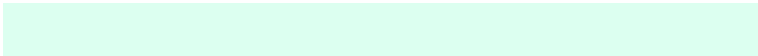
Harmonies

Analogous

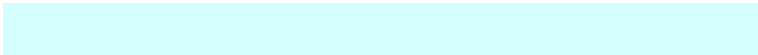
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



93.0269, 0.3156, 0.3544



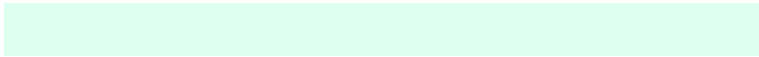
93.0269, 0.2998, 0.3443



93.0269, 0.2876, 0.3299

Triad

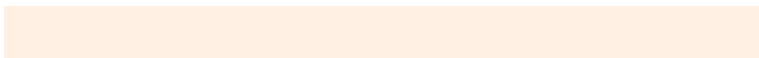
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



93.0269, 0.2998, 0.3443



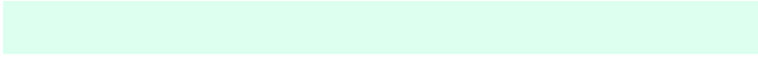
93.0269, 0.2943, 0.3019



93.0269, 0.3443, 0.3410

Complementary

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



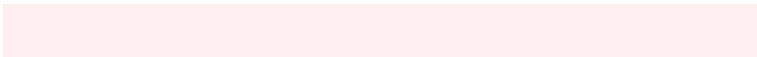
93.0269, 0.2998, 0.3443



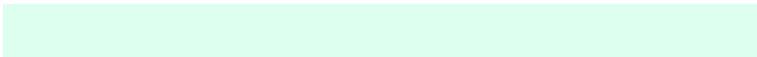
78.4285, 0.3278, 0.3142

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.



93.0269, 0.3383, 0.3273



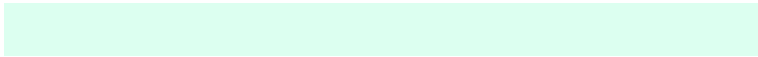
93.0269, 0.2998, 0.3443



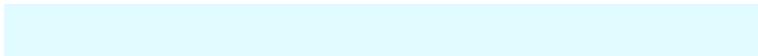
93.0269, 0.3092, 0.3052

Square

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



93.0269, 0.2998, 0.3443



93.0269, 0.2845, 0.3056



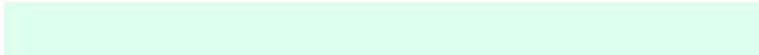
93.0269, 0.3254, 0.3144



93.0269, 0.3416, 0.3520

Rectangle

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



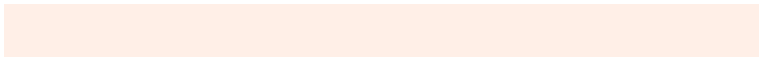
93.0269, 0.2998, 0.3443



93.0269, 0.2831, 0.3201



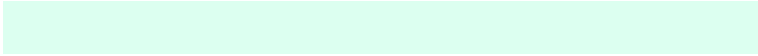
93.0269, 0.3254, 0.3144



93.0269, 0.3433, 0.3366

Sweetspot

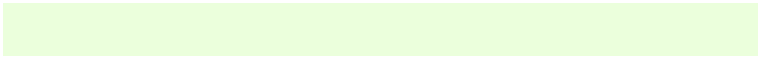
The Sweet Spot groups the original color and five complimentary colors.



93.0263, 0.2998, 0.3443



97.8392, 0.3089, 0.3332



94.3745, 0.3205, 0.3645



20.8572, 0.3082, 0.3340



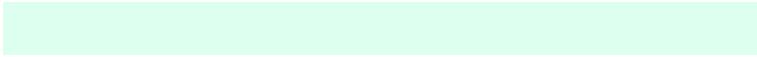
0.0000, 0.0000, 0.0000



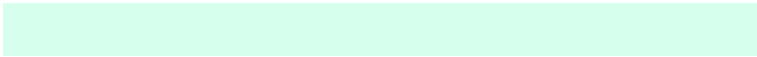
21.4041, 0.3127, 0.3290

Same Dimension

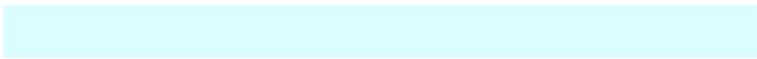
The Same Dimension uses a secret algorithm to generate beautiful new colors.



93.0263, 0.2998, 0.3443



91.9948, 0.2977, 0.3470



92.4714, 0.2916, 0.3266



20.3427, 0.3037, 0.3393



38.4879, 0.2655, 0.4757



3.7693, 0.2604, 0.4573

Inverse Universe

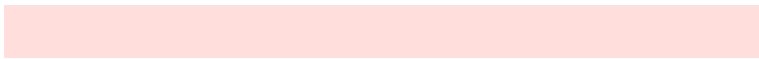
The Inverse Universe completely reimagines the original color for something new.



78.4285, 0.3278, 0.3142



75.2589, 0.3307, 0.3117



78.8346, 0.3378, 0.3314



18.1158, 0.3227, 0.3189



11.7126, 0.5273, 0.2678



1.1618, 0.4982, 0.2518

Previews

White Background



This preview shows how the Yxy color 93.0269, 0.2998, 0.3443 looks on a white background.

Color Contrast Check

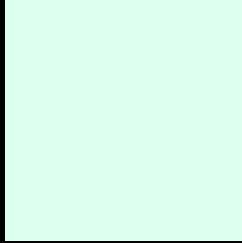
Large Text (above 18pt) WCAG AA × Fail

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 93.0269, 0.2998, 0.3443 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

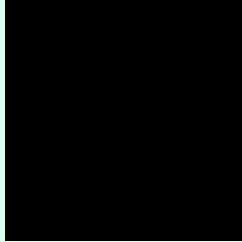
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

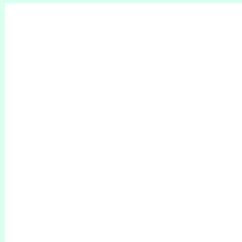
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 93.0269, 0.2998, 0.3443

Background



This preview shows how black text looks on a background with the Yxy color 93.0269, 0.2998, 0.3443.

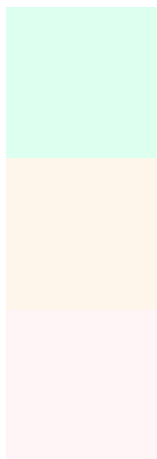


This preview shows how white text looks on a background with the Yxy color 93.0269, 0.2998, 0.3443.

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

93.0269, 0.2998, 0.3443

Protanopia

92.9805, 0.3246, 0.3398

Deuteranopia

92.6152, 0.3186, 0.3271



Tritanopia

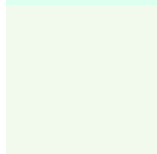
92.8801, 0.3036, 0.3221

Trichromacy



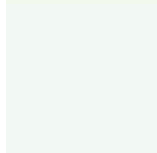
Original Color

93.0269, 0.2998, 0.3443



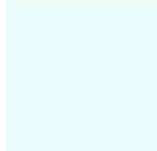
Protanomaly

92.7430, 0.3153, 0.3409



Deuteranomaly

92.5437, 0.3113, 0.3330



Tritanomaly

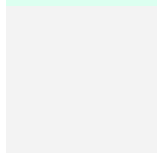
93.2201, 0.3021, 0.3300

Monochromacy



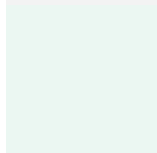
Original Color

93.0269, 0.2998, 0.3443



Achromatopsia

89.6269, 0.3127, 0.3290



Achromatomaly

90.5945, 0.3080, 0.3340

CSS Examples

Text

The CSS property to change the color of the text to Yxy 93.0269, 0.2998, 0.3443 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(220, 255, 240)` looks like.

```
.text, #text, p{  
    color:rgb(220, 255, 240)  
}
```

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(220, 255, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 255, 240) }
```

Border

The CSS property to change the border of an element to Yxy 93.0269, 0.2998, 0.3443 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(220, 255, 240) }
```

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

```
.border{ border-color:rgb(220, 255, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 255, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 255, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 255, 240);  
box-shadow:4px 4px 4px 4px rgb(220, 255,  
240) }
```


Background

The CSS property to change the background color of an element to Yxy 93.0269, 0.2998, 0.3443 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 255, 240) }
```

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

```
.background{ background-color: rgb(220,  
255, 240) }
```

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