

Converting Colors

$Y_{xy}(100.7383, 0.3045, 0.3632)$

Have a look what the booklet for
Yxy(100.7383, 0.3045, 0.3632)
contains.

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Color

Yxy(92.9328, 0.3049, 0.3516)

Conversions

Conversions Part 1

Format	Color
Hex	DEFFE9
RGB	222, 255, 233
RGB Percent	87%, 100%, 91%
CMY	0.1295, 0.0000, 0.0862
CMYK	0.13, 0.00, 0.09, 0.00
HSL	140°, 100%, 94%
HSV	140°, 13%, 100%
XYZ	80.5893, 92.9328, 90.7919
YIQ	242.6250, -12.6060, -13.8380

Conversions

Conversions Part 2

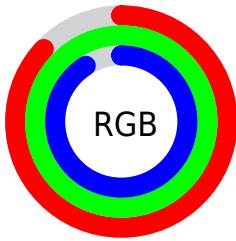
Format	Color
R _Y B	222, 247, 255
Decimal	14614505
CIE Lab	97.20, -14.69, 6.93
CIE LCh	97, 16.242, 154.755
Yxy	92.9328, 0.3049, 0.3516
Android (android.graphics.Color)	4292804585 (0xFFDEFFE9)
YUV	242.6250, -4.7451, -18.0881
Hunter-Lab	96.4017, -19.4814, 11.6414

Details

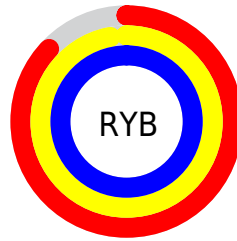
The Yxy color **92.9328, 0.3049, 0.3516** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **80.0225, 0.3215, 0.3074**, and the grayscale version is **89.3563, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **51.7780, 0.3037, 0.3568** is the 20% darker color. If you saturate the color by 10%, you get **88.2803, 0.2990, 0.3715**, and if you desaturate by 10%, it is **98.2837, 0.3109, 0.3338**.

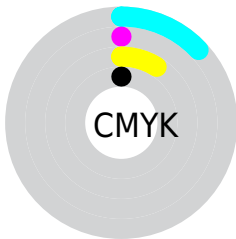
Distribution



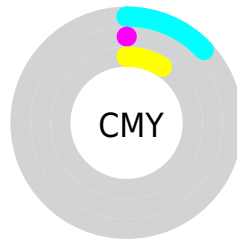
- Red (87%)
- Green (100%)
- Blue (91%)



- Red (87%)
- Yellow (97%)
- Blue (100%)



- Cyan (13%)
- Magenta (0%)
- Yellow (9%)
- Black (0%)




- Cyan (13%)
- Magenta (0%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 92.9328, 0.3049, 0.3516 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 92.9328, 0.3049, 0.3516 by changing the saturation by 10% instead.


 92.9328, 0.3049,
0.3516

 92.9328, 0.3049,
0.3516


537.5257, 0.3085,
0.3414

 70.4157, 0.3041,
0.3539

151.4056, 0.3061,
0.3481

 51.8655, 0.3031,
0.3566

188.1300, 0.3066,
0.3467

 36.8978, 0.3019,
0.3601


230.3589, 0.3070,
0.3456

 25.1284, 0.3003,
0.3646

278.4768, 0.3074,
0.3445

 16.1728, 0.2982,
0.3705

332.8681, 0.3077,
0.3436

 9.6465, 0.2952,
0.3789

393.9170, 0.3080,

 5.1652, 0.2907,

0.3428

0.3914

462.0081, 0.3082,
0.3421

■ 2.3445, 0.2831,
0.4122

■ 0.7971, 0.2526,
0.5046

■ 92.9328, 0.3049,
0.3516

■ 92.9328, 0.3049,
0.3516

■ 88.2803, 0.2990,
0.3715

■ 98.2837, 0.3109,
0.3338

■ 84.3022, 0.2935,
0.3936

100.0000, 0.3127,
0.3290

■ 80.9644, 0.2887,
0.4175

■ 78.2322, 0.2848,
0.4429

■ 76.0673, 0.2823,
0.4690

■ 74.4272, 0.2814,
0.4948

■ 73.2628, 0.2822,
0.5192

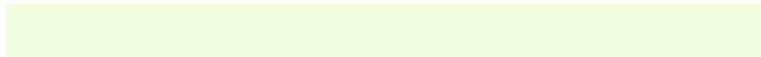
■ 72.5151, 0.2848,
0.5410

■ 72.1794, 0.2873,
0.5544

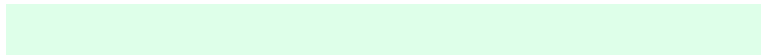
Harmonies

Analogous

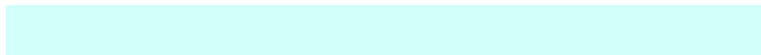
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



92.9328, 0.3231, 0.3600



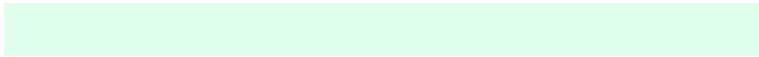
92.9328, 0.3049, 0.3516



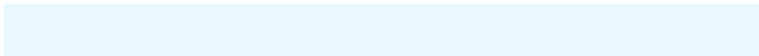
92.9328, 0.2892, 0.3366

Triad

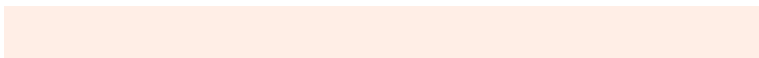
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



92.9328, 0.3049, 0.3516



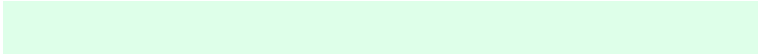
92.9328, 0.2868, 0.2993



92.9328, 0.3468, 0.3365

Complementary

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



92.9328, 0.3049, 0.3516



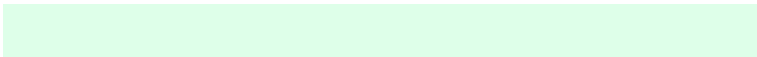
80.0225, 0.3215, 0.3074

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.



92.9328, 0.3365, 0.3211



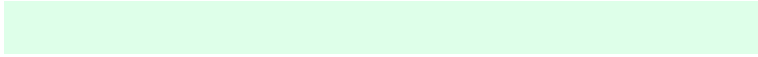
92.9328, 0.3049, 0.3516



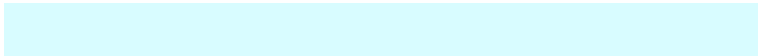
92.9328, 0.3017, 0.3000

Square

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



92.9328, 0.3049, 0.3516



92.9328, 0.2790, 0.3064



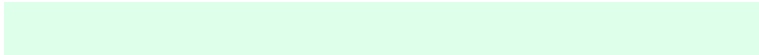
92.9328, 0.3199, 0.3079



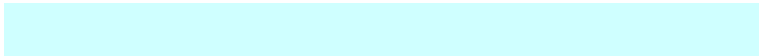
92.9328, 0.3476, 0.3506

Rectangle

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



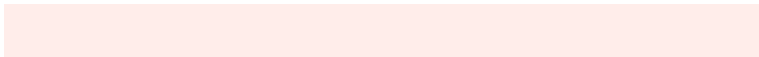
92.9328, 0.3049, 0.3516



92.9328, 0.2820, 0.3254



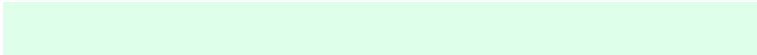
92.9328, 0.3199, 0.3079



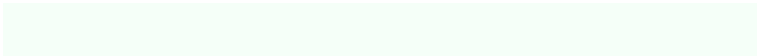
92.9328, 0.3443, 0.3313

Sweetspot

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



92.9309, 0.3049, 0.3516



97.6868, 0.3103, 0.3356



96.0250, 0.3250, 0.3619



20.8187, 0.3098, 0.3369



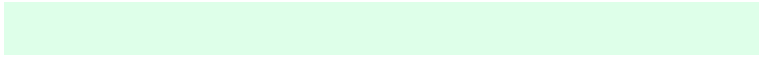
0.0000, 0.0000, 0.0000



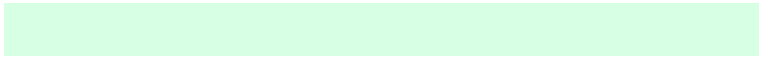
21.4041, 0.3127, 0.3290

Same Dimension

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



92.9309, 0.3049, 0.3516



91.4385, 0.3031, 0.3574



93.9174, 0.2958, 0.3345



20.2683, 0.3070, 0.3452



37.7399, 0.2865, 0.5515



3.6939, 0.2802, 0.5288

Inverse Universe

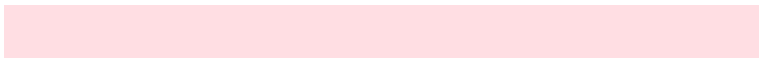
The Inverse Universe completely reimagines the original color for something new.



80.0225, 0.3215, 0.3074



75.8271, 0.3238, 0.3022



79.0658, 0.3327, 0.3236



18.1911, 0.3190, 0.3133



12.6499, 0.4280, 0.2131



1.2520, 0.4126, 0.2047

Previews

White Background



This preview shows how the Yxy color 92.9328, 0.3049, 0.3516 looks on a white background.

Color Contrast Check

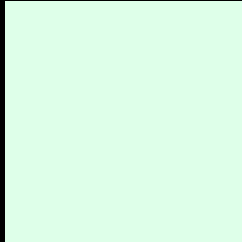
Large Text (above 18pt) WCAG AA × Fail

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 92.9328, 0.3049, 0.3516 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

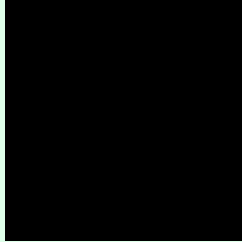
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

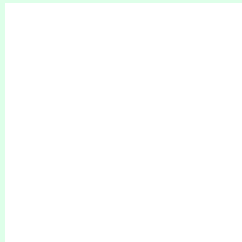
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 92.9328, 0.3049, 0.3516

Background



This preview shows how black text looks on a background with the Yxy color 92.9328, 0.3049, 0.3516.

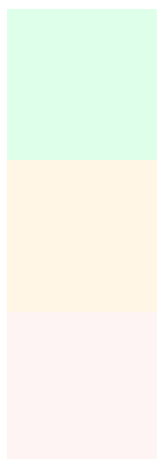


This preview shows how white text looks on a background with the Yxy color 92.9328, 0.3049, 0.3516.

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

92.9328, 0.3049, 0.3516

Protanopia

92.8287, 0.3289, 0.3457

Deuteranopia

92.4930, 0.3199, 0.3290

Tritanopia

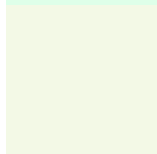
92.8801, 0.3036, 0.3221

Trichromacy



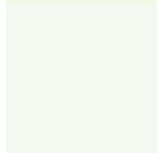
Original Color

92.9328, 0.3049, 0.3516



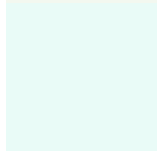
Protanomaly

92.5192, 0.3202, 0.3480



Deuteranomaly

92.4808, 0.3143, 0.3369



Tritanomaly

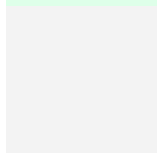
93.0334, 0.3038, 0.3330

Monochromacy



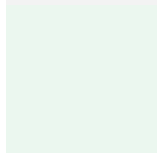
Original Color

92.9328, 0.3049, 0.3516



Achromatopsia

89.6269, 0.3127, 0.3290



Achromatomaly

90.4157, 0.3098, 0.3371

CSS Examples

Text

The CSS property to change the color of the text to Yxy 92.9328, 0.3049, 0.3516 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(222, 255, 233)` looks like.

```
.text, #text, p{  
    color:rgb(222, 255, 233)  
}
```

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(222, 255, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 255, 233) }
```

Border

The CSS property to change the border of an element to Yxy 92.9328, 0.3049, 0.3516 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(222, 255, 233) }
```

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

```
.border{ border-color:rgb(222, 255, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 255, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 255, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 255, 233);  
box-shadow:4px 4px 4px 4px rgb(222, 255,  
233) }
```


Background

The CSS property to change the background color of an element to Yxy 92.9328, 0.3049, 0.3516 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 255, 233) }
```

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

```
.background{ background-color: rgb(222,  
255, 233) }
```

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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