

# Converting Colors

$Y_{xy}(103.7308, 0.3047, 0.3683)$

Have a look what the booklet for  
Yxy(103.7308, 0.3047, 0.3683)  
contains.

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# Color

**Yxy(92.8758, 0.3055, 0.3527)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DEFFE8
RGB	222, 255, 232
RGB Percent	87%, 100%, 91%
CMY	0.1294, 0.0000, 0.0903
CMYK	0.13, 0.00, 0.09, 0.00
HSL	138°, 100%, 94%
HSV	138°, 13%, 100%
XYZ	80.4467, 92.8758, 90.0055
YIQ	242.5110, -12.2850, -14.1490

# Conversions

## Conversions Part 2

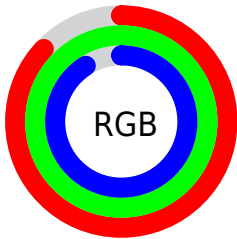
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	222, 247, 255
Decimal	14614504
CIE Lab	97.18, -14.87, 7.43
CIE LCh	97, 16.624, 153.444
Yxy	92.8758, 0.3055, 0.3527
Android (android.graphics.Color)	4292804584 (0xFFDEFFE8)
YUV	242.5110, -5.1819, -17.9881
Hunter-Lab	96.3721, -19.6481, 12.0873

# Details

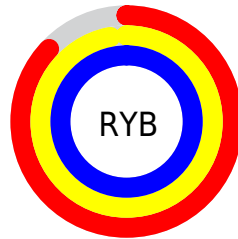
The Yxy color **92.8758, 0.3055, 0.3527** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **80.1004, 0.3208, 0.3064**, and the grayscale version is **89.2659, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **51.7382, 0.3044, 0.3582** is the 20% darker color. If you saturate the color by 10%, you get **88.1873, 0.3000, 0.3736**, and if you desaturate by 10%, it is **98.2738, 0.3111, 0.3341**.

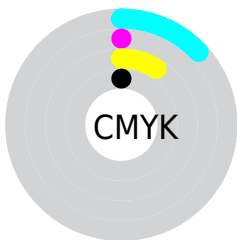
# Distribution



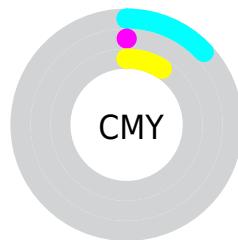
- Red (87%)
- Green (100%)
- Blue (91%)



- 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 92.8758, 0.3055, 0.3527 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 92.8758, 0.3055, 0.3527 by changing the saturation by 10% instead.




 92.8758, 0.3055,  
0.3527

 92.8758, 0.3055,  
0.3527

537.3420, 0.3088,  
0.3420

 70.3683, 0.3048,  
0.3551


151.3266, 0.3066,  
0.3490

 51.8268, 0.3038,  
0.3580


188.0388, 0.3071,  
0.3476

 36.8671, 0.3027,  
0.3616


230.2545, 0.3075,  
0.3464

 25.1046, 0.3012,  
0.3663

278.3584, 0.3078,  
0.3453

 16.1550, 0.2992,  
0.3726

332.7346, 0.3081,  
0.3443

 9.6339, 0.2964,  
0.3814

393.7677, 0.3084,

 5.1569, 0.2921,

0.3435

0.3945

461.8420, 0.3086,  
0.3427

■ 2.3396, 0.2848,  
0.4165

■ 0.7946, 0.2560,  
0.5185

■ 92.8758, 0.3055,  
0.3527

■ 92.8758, 0.3055,  
0.3527

■ 88.1873, 0.3000,  
0.3736

■ 98.2738, 0.3111,  
0.3341

■ 84.1808, 0.2949,  
0.3968

100.0000, 0.3127,  
0.3290

■ 80.8229, 0.2904,  
0.4220

■ 78.0784, 0.2868,  
0.4486

■ 75.9086, 0.2845,  
0.4758

■ 74.2703, 0.2837,  
0.5026

■ 73.1138, 0.2846,  
0.5275

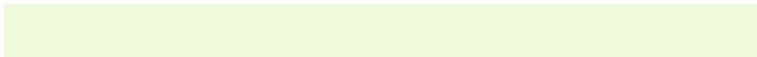
■ 72.3794, 0.2871,  
0.5493

■ 72.0558, 0.2895,  
0.5624

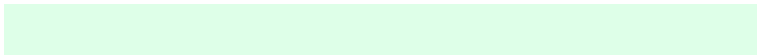
# Harmonies

## Analogous

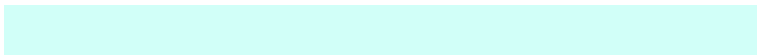
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



92.8758, 0.3241, 0.3609



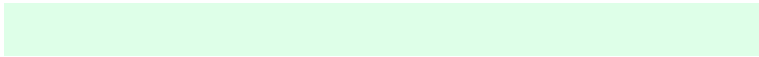
92.8758, 0.3055, 0.3527



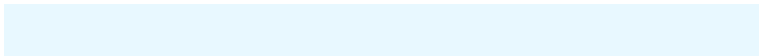
92.8758, 0.2892, 0.3376

# Triad

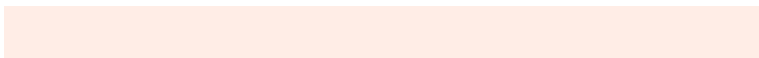
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



92.8758, 0.3055, 0.3527



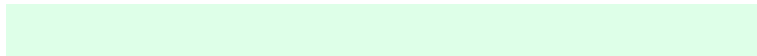
92.8758, 0.2857, 0.2988



92.8758, 0.3474, 0.3360

# Complementary

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



92.8758, 0.3055, 0.3527



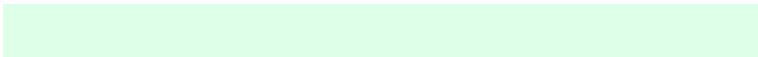
80.1004, 0.3208, 0.3064

# 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.



92.8758, 0.3365, 0.3202



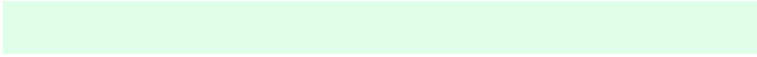
92.8758, 0.3055, 0.3527



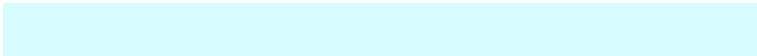
92.8758, 0.3006, 0.2991

# Square

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



92.8758, 0.3055, 0.3527



92.8758, 0.2780, 0.3063



92.8758, 0.3192, 0.3069

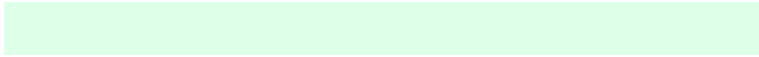


92.8758, 0.3486, 0.3505



# Rectangle

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



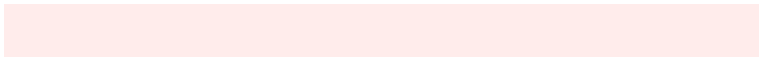
92.8758, 0.3055, 0.3527



92.8758, 0.2817, 0.3260



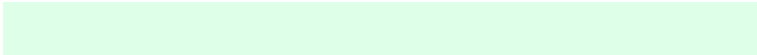
92.8758, 0.3192, 0.3069



92.8758, 0.3447, 0.3307

# Sweetspot

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



92.8748, 0.3055, 0.3527



97.6664, 0.3105, 0.3359



96.2250, 0.3257, 0.3618



20.8135, 0.3101, 0.3373



0.0000, 0.0000, 0.0000

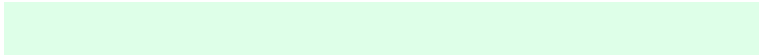


21.4041, 0.3127, 0.3290

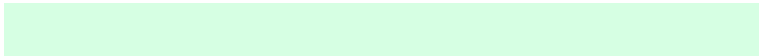


# Same Dimension

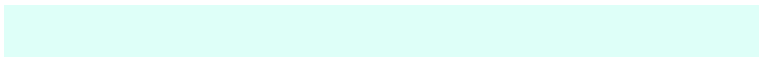
The Same Dimension uses a secret algorithm to generate beautiful new colors.



92.8748, 0.3055, 0.3527



91.3658, 0.3038, 0.3589



93.8527, 0.2964, 0.3356



20.2584, 0.3074, 0.3460



37.6737, 0.2888, 0.5595



3.6865, 0.2826, 0.5372



# Inverse Universe

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



80.1004, 0.3208, 0.3064



75.9062, 0.3229, 0.3009



79.1406, 0.3319, 0.3225



18.2014, 0.3185, 0.3125



12.8162, 0.4156, 0.2063



1.2673, 0.4021, 0.1989



# Previews

## White Background



This preview shows how the Yxy color 92.8758, 0.3055, 0.3527 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

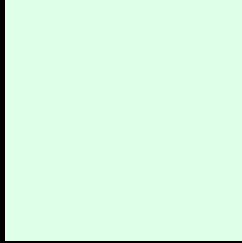
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 92.8758, 0.3055, 0.3527 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

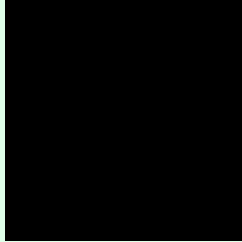
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

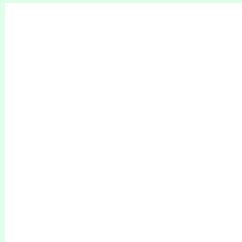
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 92.8758, 0.3055, 0.3527**

## **Background**



This preview shows how black text looks on a background with the Yxy color 92.8758, 0.3055, 0.3527.

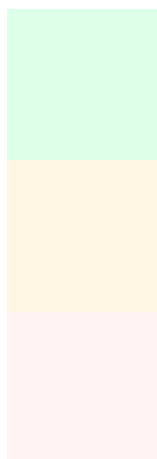


This preview shows how white text looks on a background with the Yxy color 92.8758, 0.3055, 0.3527.

# 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

92.8758, 0.3055, 0.3527

### Protanopia

92.7730, 0.3296, 0.3466

### Deuteranopia

92.4324, 0.3205, 0.3300

## Tritanopia

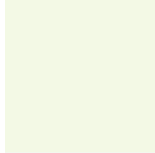
92.8801, 0.3036, 0.3221

# Trichromacy



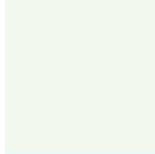
## Original Color

92.8758, 0.3055, 0.3527



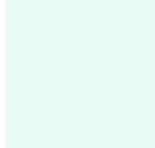
## Protanomaly

92.4632, 0.3208, 0.3490



## Deuteranomaly

92.4215, 0.3149, 0.3379



## Tritanomaly

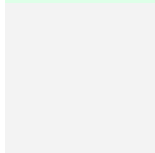
93.0334, 0.3038, 0.3330

# Monochromacy



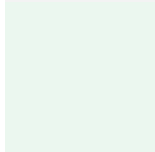
## Original Color

92.8758, 0.3055, 0.3527



## 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 92.8758, 0.3055, 0.3527 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, 232)` looks like.

```
.text, #text, p{  
    color:rgb(222, 255, 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(222, 255, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 255, 232) }
```

## Border

The CSS property to change the border of an element to Yxy 92.8758, 0.3055, 0.3527 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, 232) }
```

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

```
.border{ border-color:rgb(222, 255, 232) }
```

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, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 255, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 255, 232);  
box-shadow:4px 4px 4px 4px rgb(222, 255,  
232) }
```



# Background

The CSS property to change the background color of an element to Yxy 92.8758, 0.3055, 0.3527 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, 232) }
```

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

```
.background{ background-color: rgb(222,  
255, 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](#).

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