

# Converting Colors

$Yxy(97.1325, 0.2951, 0.3558)$

Have a look what the booklet for  
Yxy(97.1325, 0.2951, 0.3558)  
contains.

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# Color

**Yxy(91.3947, 0.2950, 0.3467)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D2FFEE
RGB	210, 255, 238
RGB Percent	82%, 100%, 93%
CMY	0.1766, 0.0000, 0.0666
CMYK	0.18, 0.00, 0.07, 0.00
HSL	157°, 100%, 91%
HSV	157°, 18%, 100%
XYZ	77.7659, 91.3947, 94.4526
YIQ	239.6070, -21.3630, -14.8270

# Conversions

## Conversions Part 2

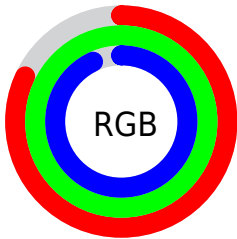
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	210, 238, 255
Decimal	13828078
CIE Lab	96.57, -17.58, 3.35
CIE LCh	97, 17.892, 169.217
Yxy	91.3947, 0.2950, 0.3467
Android (android.graphics.Color)	4292018158 (0xFFD2FFEE)
YUV	239.6070, -0.7923, -25.9653
Hunter-Lab	95.6006, -22.1009, 8.3424

# Details

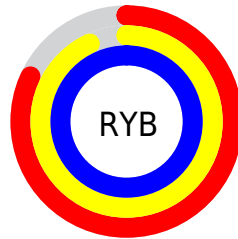
The Yxy color **91.3947, 0.2950, 0.3467** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **72.8771, 0.3345, 0.3120**, and the grayscale version is **86.8259, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **50.7341, 0.2913, 0.3506** is the 20% darker color. If you saturate the color by 10%, you get **87.3924, 0.2857, 0.3582**, and if you desaturate by 10%, it is **96.0159, 0.3049, 0.3363**.

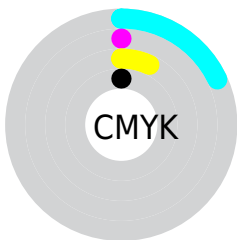
# Distribution



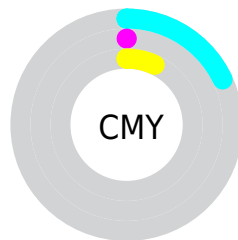
- Red (82%)
- Green (100%)
- Blue (93%)



- Red (82%)
- Yellow (93%)
- Blue (100%)



- Cyan (18%)
- Magenta (0%)
- Yellow (7%)
- Black (0%)



- Cyan (18%)
- Magenta (0%)
- Yellow (7%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 91.3947, 0.2950, 0.3467 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 91.3947, 0.2950, 0.3467 by changing the saturation by 10% instead.




 91.3947, 0.2950,  
0.3467

 91.3947, 0.2950,  
0.3467

532.5574, 0.3029,  
0.3387

 69.1380, 0.2933,  
0.3485

149.2742, 0.2977,  
0.3440

 50.8241, 0.2911,  
0.3506


185.6657, 0.2988,  
0.3429

 36.0686, 0.2885,  
0.3533


227.5377, 0.2997,  
0.3420

 24.4872, 0.2851,  
0.3568

275.2745, 0.3005,  
0.3412

 15.6954, 0.2806,  
0.3614

329.2604, 0.3012,  
0.3405

 9.3089, 0.2744,  
0.3678

389.8800, 0.3018,

 4.9432, 0.2652,

0.3398

0.3775

457.5175, 0.3024,  
0.3393

■ 2.2140, 0.2503,  
0.3934

■ 0.7276, 0.1695,  
0.4699

■ 91.3947, 0.2950,  
0.3467

■ 91.3947, 0.2950,  
0.3467

■ 87.3924, 0.2857,  
0.3582


■ 96.0159, 0.3049,  
0.3363


■ 83.9917, 0.2772,  
0.3707


100.0000, 0.3127,  
0.3290


■ 81.1579, 0.2699,  
0.3841


■ 78.8570, 0.2642,  
0.3982

 77.0518, 0.2602,  
0.4128

 75.6995, 0.2583,  
0.4277

 74.7501, 0.2585,  
0.4424

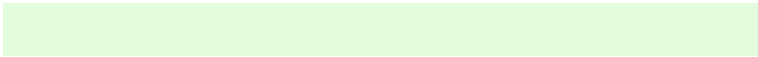
 74.1374, 0.2605,  
0.4568

 74.0202, 0.2612,  
0.4601

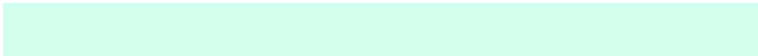
# Harmonies

## Analogous

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



91.3947, 0.3144, 0.3601



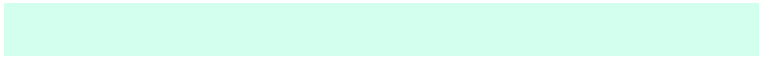
91.3947, 0.2950, 0.3467



91.3947, 0.2806, 0.3283

# Triad

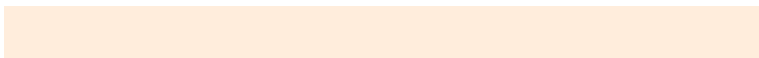
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



91.3947, 0.2950, 0.3467



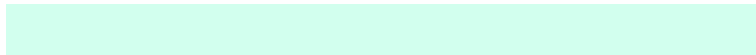
91.3947, 0.2912, 0.2955



91.3947, 0.3523, 0.3452

# Complementary

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



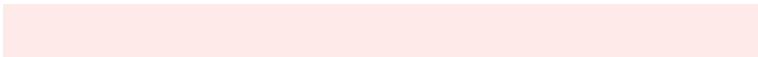
91.3947, 0.2950, 0.3467



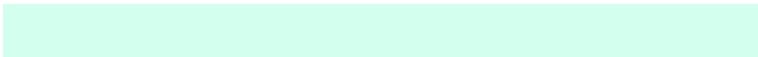
72.8771, 0.3345, 0.3120

# 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.



91.3947, 0.3458, 0.3283



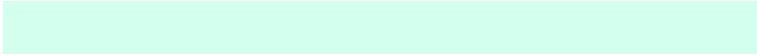
91.3947, 0.2950, 0.3467



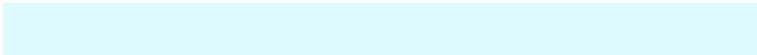
91.3947, 0.3100, 0.3003

# Square

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



91.3947, 0.2950, 0.3467



91.3947, 0.2785, 0.2991



91.3947, 0.3301, 0.3121

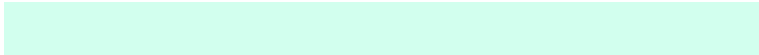


91.3947, 0.3479, 0.3585



# Rectangle

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



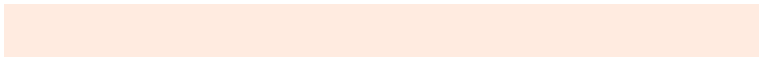
91.3947, 0.2950, 0.3467



91.3947, 0.2756, 0.3163



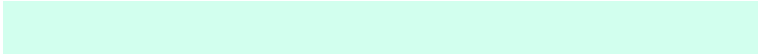
91.3947, 0.3301, 0.3121



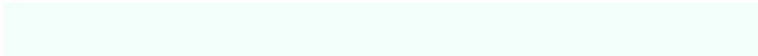
91.3947, 0.3514, 0.3397

# Sweetspot

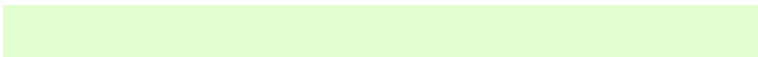
The Sweet Spot groups the original color and five complimentary colors.



91.3909, 0.2950, 0.3467



97.3559, 0.3076, 0.3337



92.5391, 0.3213, 0.3757



20.7615, 0.3069, 0.3344



0.0000, 0.0000, 0.0000

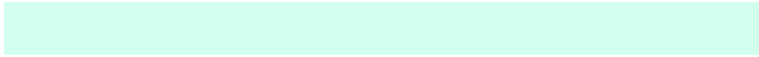


21.4041, 0.3127, 0.3290

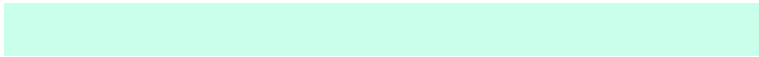


# Same Dimension

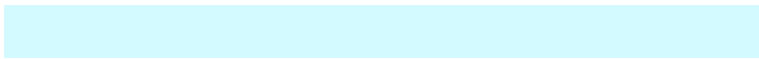
The Same Dimension uses a secret algorithm to generate beautiful new colors.



91.3909, 0.2950, 0.3467



89.9878, 0.2918, 0.3504



89.1294, 0.2857, 0.3235



20.3586, 0.3031, 0.3381



38.7071, 0.2605, 0.4578



3.7900, 0.2559, 0.4414



# Inverse Universe

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



72.8771, 0.3345, 0.3120



68.4974, 0.3396, 0.3086



74.6227, 0.3461, 0.3344



18.1003, 0.3235, 0.3201



11.5775, 0.5478, 0.2791



1.1477, 0.5169, 0.2621



# Previews

## White Background



This preview shows how the Yxy color 91.3947, 0.2950, 0.3467 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 91.3947, 0.2950, 0.3467 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

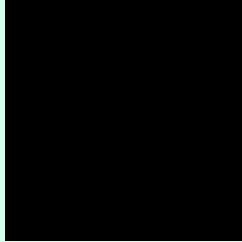
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

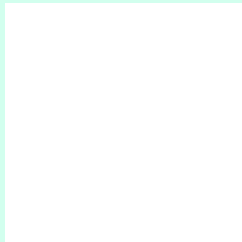
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 91.3947, 0.2950, 0.3467**

## **Background**



This preview shows how black text looks on a background with the Yxy color 91.3947, 0.2950, 0.3467.

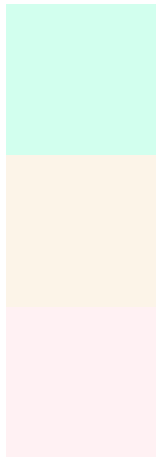


This preview shows how white text looks on a background with the Yxy color 91.3947, 0.2950, 0.3467.

# 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

91.3947, 0.2950, 0.3467

### Protanopia

91.2230, 0.3253, 0.3408

### Deuteranopia

90.6417, 0.3207, 0.3271



## Tritanopia

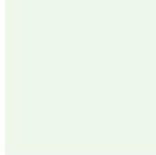
91.2340, 0.2999, 0.3210

# Trichromacy



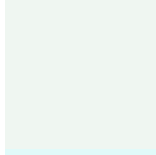
## Original Color

91.3947, 0.2950, 0.3467



## Protanomaly

91.0798, 0.3140, 0.3431



## Deuteranomaly

90.6131, 0.3112, 0.3340



## Tritanomaly

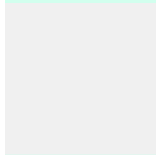
91.2183, 0.2978, 0.3300

# Monochromacy



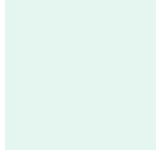
## Original Color

91.3947, 0.2950, 0.3467



## Achromatopsia

87.1367, 0.3127, 0.3290



## Achromatomaly

88.1948, 0.3060, 0.3351

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 91.3947, 0.2950, 0.3467 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(210, 255, 238)` looks like.

```
.text, #text, p{  
    color:rgb(210, 255, 238)  
}
```

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(210, 255, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 255, 238) }
```

## Border

The CSS property to change the border of an element to Yxy 91.3947, 0.2950, 0.3467 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(210, 255, 238) }
```

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

```
.border{ border-color:rgb(210, 255, 238) }
```

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

Here you see how a box with a 4 pixel rgb(210, 255, 238) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 255, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 255, 238);  
box-shadow:4px 4px 4px 4px rgb(210, 255,  
238) }
```



# Background

The CSS property to change the background color of an element to Yxy 91.3947, 0.2950, 0.3467 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 255, 238) }
```

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

```
.background{ background-color: rgb(210,  
255, 238) }
```

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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