

# Converting Colors

$Yxy(91.4929, 0.2950, 0.3484)$

Have a look what the booklet for  
Yxy(91.4929, 0.2950, 0.3484)  
contains.

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# Color

**Yxy(91.1897, 0.2950, 0.3478)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D1FFED
RGB	209, 255, 237
RGB Percent	82%, 100%, 93%
CMY	0.1803, 0.0000, 0.0705
CMYK	0.18, 0.00, 0.07, 0.00
HSL	157°, 100%, 91%
HSV	157°, 18%, 100%
XYZ	77.3461, 91.1897, 93.6543
YIQ	239.1940, -21.6380, -15.3500

# Conversions

## Conversions Part 2

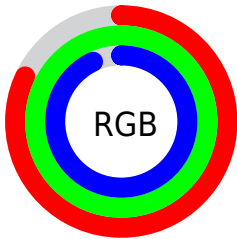
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	209, 238, 255
Decimal	13762541
CIE Lab	96.49, -18.06, 3.74
CIE LCh	96, 18.440, 168.294
Yxy	91.1897, 0.2950, 0.3478
Android (android.graphics.Color)	4291952621 (0xFFD1FFED)
YUV	239.1940, -1.0816, -26.4801
Hunter-Lab	95.4933, -22.5348, 8.6971

# Details

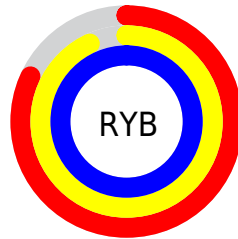
The Yxy color **91.1897, 0.2950, 0.3478** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **72.4182, 0.3346, 0.3110**, and the grayscale version is **86.5024, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **50.5944, 0.2912, 0.3520** is the 20% darker color. If you saturate the color by 10%, you get **87.1993, 0.2859, 0.3598**, and if you desaturate by 10%, it is **95.8154, 0.3047, 0.3369**.

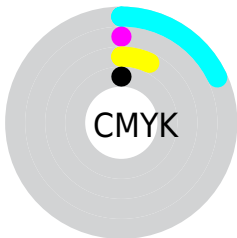
# Distribution



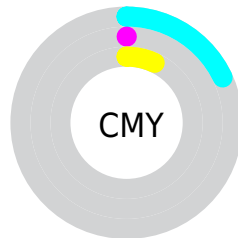
- Red (82%)
- Green (100%)
- Blue (93%)



- 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 91.1897, 0.2950, 0.3478 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 91.1897, 0.2950, 0.3478 by changing the saturation by 10% instead.




 91.1897, 0.2950,  
0.3478

 91.1897, 0.2950,  
0.3478

531.8933, 0.3029,  
0.3393

 68.9678, 0.2933,  
0.3497


148.9898, 0.2977,  
0.3449

 50.6855, 0.2911,  
0.3520


185.3369, 0.2988,  
0.3438

 35.9584, 0.2885,  
0.3549


227.1611, 0.2997,  
0.3428

 24.4020, 0.2851,  
0.3586

274.8468, 0.3005,  
0.3419

 15.6321, 0.2806,  
0.3635

328.7785, 0.3012,  
0.3412

 9.2642, 0.2743,  
0.3704

389.3406, 0.3018,

 4.9139, 0.2650,

0.3405

0.3807

456.9174, 0.3024,  
0.3399

■ 2.1968, 0.2500,  
0.3979

■ 0.7183, 0.1634,  
0.4851

■ 91.1897, 0.2950,  
0.3478

■ 91.1897, 0.2950,  
0.3478

■ 87.1993, 0.2859,  
0.3598

■ 95.8154, 0.3047,  
0.3369

■ 83.8041, 0.2776,  
0.3728

99.9998, 0.3127,  
0.3290

■ 80.9767, 0.2705,  
0.3868

■ 78.6833, 0.2650,  
0.4016

■ 76.8859, 0.2612,  
0.4168

■ 75.5419, 0.2595,  
0.4323

■ 74.6006, 0.2598,  
0.4476

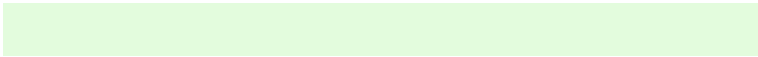
■ 73.9936, 0.2621,  
0.4625

■ 73.8945, 0.2626,  
0.4654

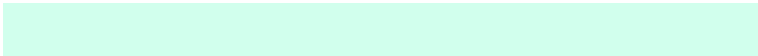
# Harmonies

## Analogous

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



91.1897, 0.3151, 0.3614



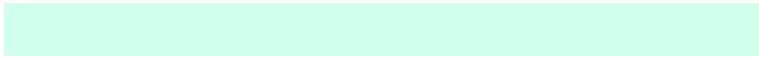
91.1897, 0.2950, 0.3478



91.1897, 0.2800, 0.3289

# Triad

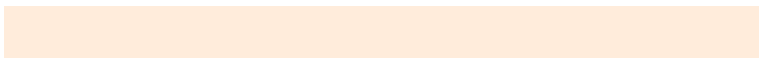
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



91.1897, 0.2950, 0.3478



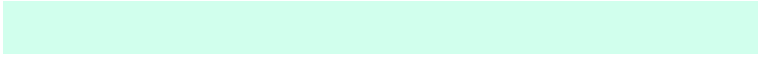
91.1897, 0.2900, 0.2945



91.1897, 0.3536, 0.3451

# Complementary

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



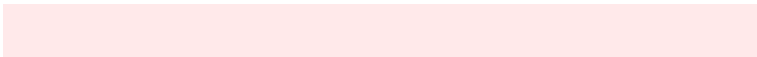
91.1897, 0.2950, 0.3478



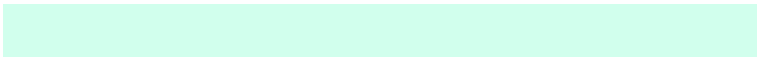
72.4182, 0.3346, 0.3110

# 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.



91.1897, 0.3465, 0.3277



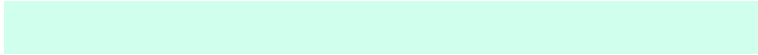
91.1897, 0.2950, 0.3478



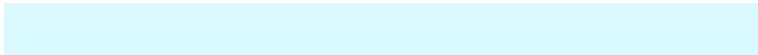
91.1897, 0.3093, 0.2992

# Square

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



91.1897, 0.2950, 0.3478



91.1897, 0.2771, 0.2984



91.1897, 0.3300, 0.3112

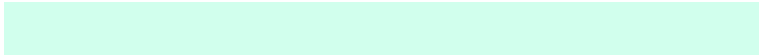


91.1897, 0.3493, 0.3591



# Rectangle

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



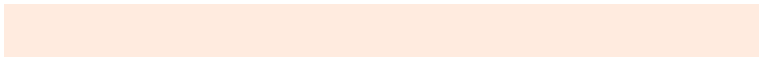
91.1897, 0.2950, 0.3478



91.1897, 0.2746, 0.3164



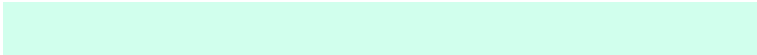
91.1897, 0.3300, 0.3112



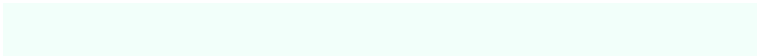
91.1897, 0.3524, 0.3395

# Sweetspot

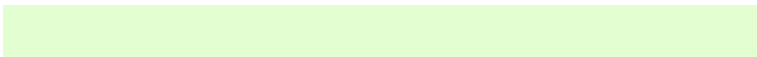
The Sweet Spot groups the original color and five complimentary colors.



91.1935, 0.2950, 0.3478



97.3444, 0.3077, 0.3339



92.5225, 0.3219, 0.3767



20.7587, 0.3070, 0.3346



0.0000, 0.0000, 0.0000

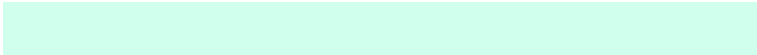


21.4041, 0.3127, 0.3290

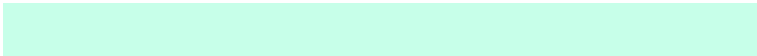


# Same Dimension

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



91.1935, 0.2950, 0.3478



89.5347, 0.2913, 0.3524



89.3998, 0.2852, 0.3242



20.3540, 0.3032, 0.3385



38.6418, 0.2619, 0.4630



3.7839, 0.2572, 0.4460



# Inverse Universe

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



72.4182, 0.3346, 0.3110



67.2731, 0.3405, 0.3068



73.7654, 0.3471, 0.3338



18.1047, 0.3232, 0.3197



11.6143, 0.5420, 0.2759



1.1515, 0.5116, 0.2592



# Previews

## White Background



This preview shows how the Yxy color 91.1897, 0.2950, 0.3478 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

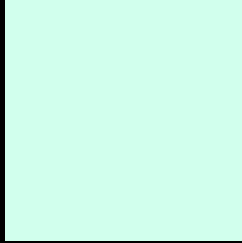
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 91.1897, 0.2950, 0.3478 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

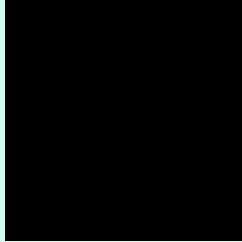
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

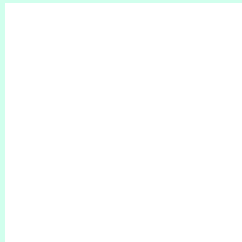
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 91.1897, 0.2950, 0.3478**

## **Background**



This preview shows how black text looks on a background with the Yxy color 91.1897, 0.2950, 0.3478.

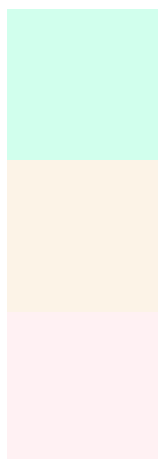


This preview shows how white text looks on a background with the Yxy color 91.1897, 0.2950, 0.3478.

# 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

91.1897, 0.2950, 0.3478

### Protanopia

90.5662, 0.3260, 0.3409

### Deuteranopia

90.6417, 0.3207, 0.3271



## Tritanopia

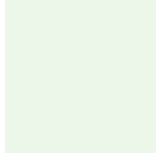
91.0652, 0.2993, 0.3210

# Trichromacy



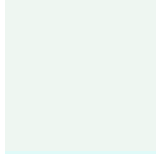
## Original Color

91.1897, 0.2950, 0.3478



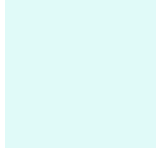
## Protanomaly

90.2376, 0.3140, 0.3432



## Deuteranomaly

90.4396, 0.3106, 0.3340



## Tritanomaly

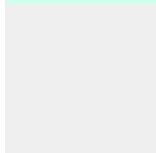
90.9958, 0.2978, 0.3310

# Monochromacy



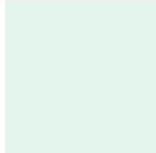
## Original Color

91.1897, 0.2950, 0.3478



## Achromatopsia

86.3157, 0.3127, 0.3290



## Achromatomaly

87.9718, 0.3060, 0.3362

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 91.1897, 0.2950, 0.3478 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(209, 255, 237)` looks like.

```
.text, #text, p{  
    color:rgb(209, 255, 237)  
}
```

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(209, 255, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 255, 237) }
```

## Border

The CSS property to change the border of an element to Yxy 91.1897, 0.2950, 0.3478 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(209, 255, 237) }
```

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

```
.border{ border-color:rgb(209, 255, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 255, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 255, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 255, 237);  
box-shadow:4px 4px 4px 4px rgb(209, 255,  
237) }
```



# Background

The CSS property to change the background color of an element to Yxy 91.1897, 0.2950, 0.3478 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 255, 237) }
```

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

```
.background{ background-color: rgb(209,  
255, 237) }
```

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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