

# Converting Colors

$Yxy(91.5326, 0.2969, 0.3485)$

Have a look what the booklet for  
Yxy(91.5326, 0.2969, 0.3485)  
contains.

<b>Yxy(91.5732, 0.2973, 0.3488)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(91.5732, 0.2973, 0.3488)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D4FFEC
RGB	212, 255, 236
RGB Percent	83%, 100%, 93%
CMY	0.1686, 0.0000, 0.0745
CMYK	0.17, 0.00, 0.07, 0.00
HSL	153°, 100%, 92%
HSV	153°, 17%, 100%
XYZ	78.0525, 91.5732, 92.9121
YIQ	239.9770, -19.5290, -15.0250

# Conversions

## Conversions Part 2

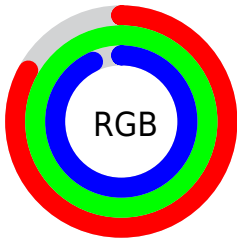
Format	Color
R <sub>Y</sub> B	212, 240, 255
Decimal	13959148
CIE Lab	96.65, -17.32, 4.52
CIE LCh	97, 17.897, 165.383
Yxy	91.5732, 0.2973, 0.3488
Android (android.graphics.Color)	4292149228 (0xFFD4FFEC)
YUV	239.9770, -1.9607, -24.5358
Hunter-Lab	95.6939, -21.8712, 9.4192

# Details

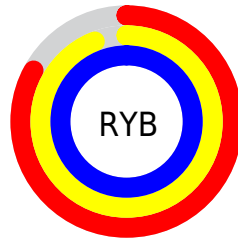
The Yxy color **91.5732, 0.2973, 0.3488** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **74.1225, 0.3313, 0.3100**, and the grayscale version is **87.1469, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **50.8516, 0.2941, 0.3533** is the 20% darker color. If you saturate the color by 10%, you get **87.4441, 0.2887, 0.3623**, and if you desaturate by 10%, it is **96.3444, 0.3064, 0.3366**.

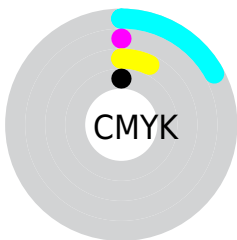
# Distribution



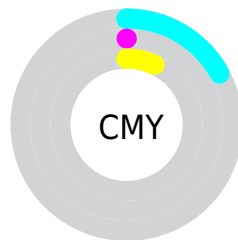
- Red (83%)
- Green (100%)
- Blue (93%)



- Red (83%)
- Yellow (94%)
- Blue (100%)



- Cyan (17%)
- Magenta (0%)
- Yellow (7%)
- Black (0%)




- Cyan (17%)
- Magenta (0%)
- Yellow (7%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 91.5732, 0.2973, 0.3488 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 91.5732, 0.2973, 0.3488 by changing the saturation by 10% instead.




 91.5732, 0.2973,  
0.3488

 91.5732, 0.2973,  
0.3488


533.1352, 0.3042,  
0.3399

 69.2862, 0.2958,  
0.3508


149.5217, 0.2997,  
0.3457

 50.9448, 0.2939,  
0.3532


185.9520, 0.3006,  
0.3446

 36.1647, 0.2916,  
0.3562


227.8655, 0.3014,  
0.3435

 24.5614, 0.2886,  
0.3602

275.6467, 0.3021,  
0.3426

 15.7506, 0.2846,  
0.3654

329.6798, 0.3027,  
0.3418

 9.3478, 0.2792,  
0.3727

390.3494, 0.3033,

 4.9688, 0.2710,

0.3411

0.3836

458.0397, 0.3038,  
0.3405

■ 2.2289, 0.2576,  
0.4019

■ 0.7357, 0.1846,  
0.4913

■ 91.5732, 0.2973,  
0.3488

■ 91.5732, 0.2973,  
0.3488

■ 87.4441, 0.2887,  
0.3623

■ 96.3444, 0.3064,  
0.3366

■ 83.9249, 0.2809,  
0.3770

100.0000, 0.3127,  
0.3290

■ 80.9857, 0.2742,  
0.3929

■ 78.5927, 0.2689,  
0.4096

■ 76.7084, 0.2653,  
0.4270

■ 75.2903, 0.2637,  
0.4446

■ 74.2887, 0.2643,  
0.4619

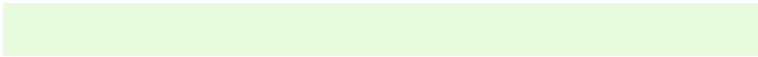
■ 73.6409, 0.2667,  
0.4787

■ 73.4808, 0.2677,  
0.4838

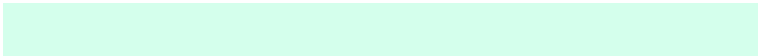
# Harmonies

## Analogous

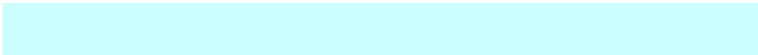
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



91.5732, 0.3170, 0.3612



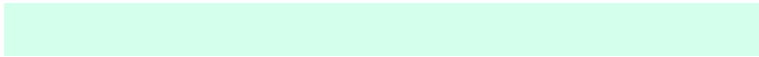
91.5732, 0.2973, 0.3488



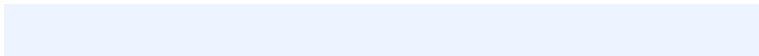
91.5732, 0.2820, 0.3308

# Triad

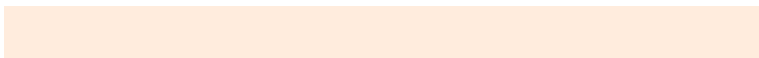
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



91.5732, 0.2973, 0.3488



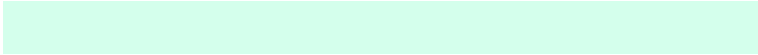
91.5732, 0.2892, 0.2955



91.5732, 0.3521, 0.3431

# Complementary

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



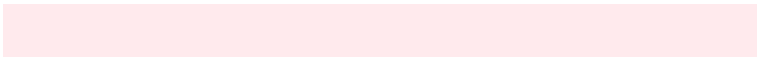
91.5732, 0.2973, 0.3488



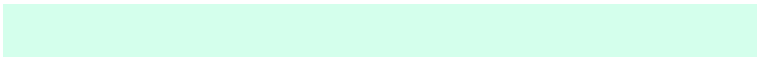
74.1225, 0.3313, 0.3100

# 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.



91.5732, 0.3442, 0.3261



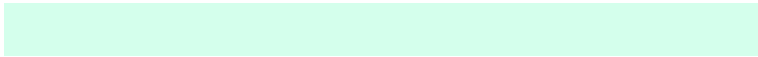
91.5732, 0.2973, 0.3488



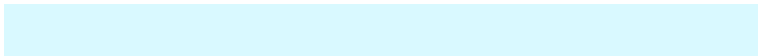
91.5732, 0.3074, 0.2993

# Square

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



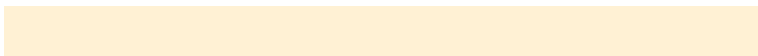
91.5732, 0.2973, 0.3488



91.5732, 0.2774, 0.3002



91.5732, 0.3277, 0.3103

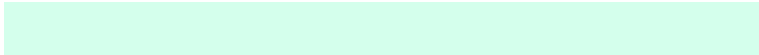


91.5732, 0.3490, 0.3571

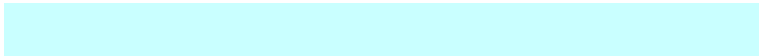


# Rectangle

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



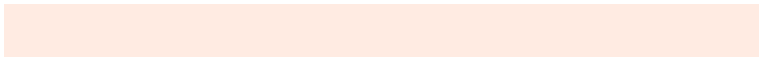
91.5732, 0.2973, 0.3488



91.5732, 0.2762, 0.3185



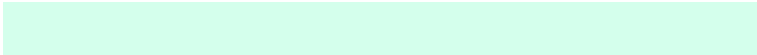
91.5732, 0.3277, 0.3103



91.5732, 0.3506, 0.3376

# Sweetspot

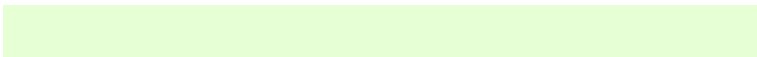
The Sweet Spot groups the original color and five complimentary colors.



91.5743, 0.2973, 0.3488



97.3037, 0.3081, 0.3345



93.3221, 0.3227, 0.3732



20.7488, 0.3074, 0.3353



0.0000, 0.0000, 0.0000

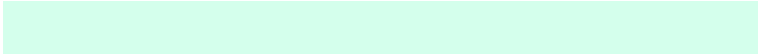


21.4041, 0.3127, 0.3290

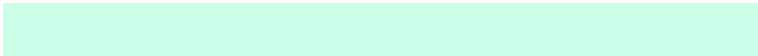


# Same Dimension

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



91.5743, 0.2973, 0.3488



90.2093, 0.2945, 0.3529



91.3748, 0.2871, 0.3267



20.3379, 0.3039, 0.3397



38.4259, 0.2670, 0.4811



3.7634, 0.2617, 0.4622



# Inverse Universe

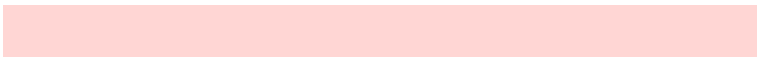
The Inverse Universe completely reimagines the original color for something new.



74.1225, 0.3313, 0.3100



69.9668, 0.3355, 0.3063



74.1880, 0.3448, 0.3313



18.1205, 0.3224, 0.3185



11.7576, 0.5209, 0.2643



1.1664, 0.4925, 0.2487



# Previews

## White Background



This preview shows how the Yxy color 91.5732, 0.2973, 0.3488 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

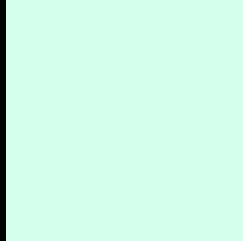
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 91.5732, 0.2973, 0.3488 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

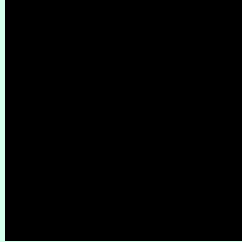
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

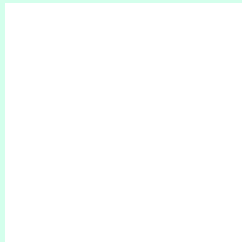
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 91.5732, 0.2973, 0.3488**

## **Background**



This preview shows how black text looks on a background with the Yxy color 91.5732, 0.2973, 0.3488.

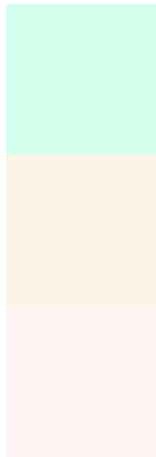


This preview shows how white text looks on a background with the Yxy color 91.5732, 0.2973, 0.3488.

# 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

91.5732, 0.2973, 0.3488

### Protanopia

91.2972, 0.3272, 0.3428

### Deuteranopia

91.2353, 0.3206, 0.3281



## **Tritanopia**

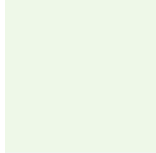
91.4037, 0.3006, 0.3210

# Trichromacy



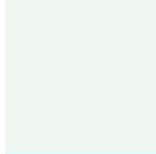
## Original Color

91.5732, 0.2973, 0.3488



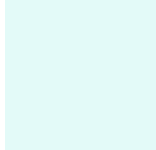
## Protanomaly

91.1381, 0.3158, 0.3451



## Deuteranomaly

91.1635, 0.3117, 0.3360



## Tritanomaly

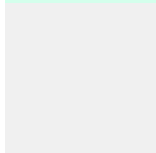
91.4794, 0.2996, 0.3310

# Monochromacy



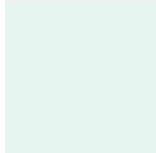
## Original Color

91.5732, 0.2973, 0.3488



## Achromatopsia

87.1367, 0.3127, 0.3290



## Achromatomaly

88.3598, 0.3067, 0.3351

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 91.5732, 0.2973, 0.3488 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(212, 255, 236)` looks like.

```
.text, #text, p{  
    color:rgb(212, 255, 236)  
}
```

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(212, 255, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 255, 236) }
```

## Border

The CSS property to change the border of an element to Yxy 91.5732, 0.2973, 0.3488 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(212, 255, 236) }
```

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

```
.border{ border-color:rgb(212, 255, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 255, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 255, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 255, 236);  
box-shadow:4px 4px 4px 4px rgb(212, 255,  
236) }
```



# Background

The CSS property to change the background color of an element to Yxy 91.5732, 0.2973, 0.3488 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 255, 236) }
```

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

```
.background{ background-color: rgb(212,  
255, 236) }
```

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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