

# Converting Colors

$Yxy(90.6602, 0.2950, 0.3437)$

Have a look what the booklet for  
Yxy(90.6602, 0.2950, 0.3437)  
contains.

<b>Yxy(90.3314, 0.2950, 0.3436)</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(90.3314, 0.2950, 0.3436)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D3FDEF
RGB	211, 253, 239
RGB Percent	83%, 99%, 94%
CMY	0.1728, 0.0078, 0.0627
CMYK	0.17, 0.00, 0.06, 0.01
HSL	160°, 91%, 91%
HSV	160°, 17%, 99%
XYZ	77.5546, 90.3314, 95.0110
YIQ	238.8460, -20.5380, -13.2580

# Conversions

## Conversions Part 2

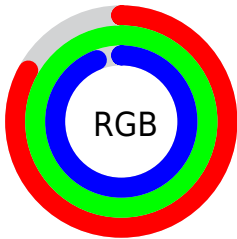
Format	Color
RYP	211, 236, 253
Decimal	13893103
CIELab	96.13, -16.11, 2.22
CIElCh	96, 16.263, 172.166
Yxy	90.3314, 0.2950, 0.3436
Android (android.graphics.Color)	4292083183 (0xFFD3FDEF)
YUV	238.8460, 0.0759, -24.4209
Hunter-Lab	95.0428, -20.6696, 7.2599

# Details

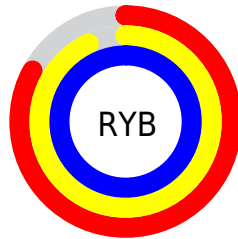
The Yxy color **90.3314, 0.2950, 0.3436** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **72.8751, 0.3343, 0.3149**, and the grayscale version is **86.1952, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **49.9667, 0.2913, 0.3465** is the 20% darker color. If you saturate the color by 10%, you get **86.4025, 0.2851, 0.3536**, and if you desaturate by 10%, it is **94.8791, 0.3055, 0.3345**.

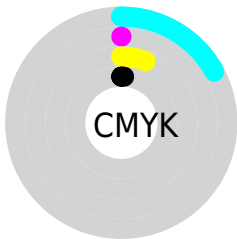
# Distribution



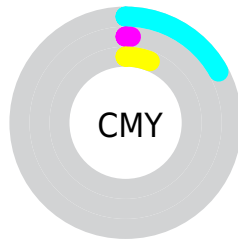
- Red (83%)
- Green (99%)
- Blue (94%)



- Red (83%)
- Yellow (93%)
- Blue (99%)



- Cyan (17%)
- Magenta (0%)
- Yellow (6%)
- Black (1%)




- Cyan (17%)
- Magenta (1%)
- Yellow (6%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 90.3314, 0.2950, 0.3436 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 90.3314, 0.2950, 0.3436 by changing the saturation by 10% instead.




 90.3314, 0.2950,  
0.3436

 90.3314, 0.2950,  
0.3436

529.1083, 0.3029,  
0.3371

 68.2555, 0.2933,  
0.3451

147.7986, 0.2977,  
0.3414

 50.1057, 0.2911,  
0.3468


183.9588, 0.2988,  
0.3405

 35.4974, 0.2885,  
0.3490


225.5825, 0.2997,  
0.3397

 24.0462, 0.2851,  
0.3519

273.0542, 0.3005,  
0.3391

 15.3679, 0.2806,  
0.3557

326.7582, 0.3012,  
0.3385

 9.0780, 0.2744,  
0.3609

387.0790, 0.3018,

 4.7921, 0.2653,

0.3379

0.3688

454.4009, 0.3024,  
0.3375

■ 2.1258, 0.2504,  
0.3818

■ 0.6791, 0.1664,  
0.4480

■ 90.3314, 0.2950,  
0.3436

■ 90.3314, 0.2950,  
0.3436

■ 86.4025, 0.2851,  
0.3536

■ 94.8791, 0.3055,  
0.3345

■ 83.0535, 0.2760,  
0.3645

■ 98.7441, 0.3128,  
0.3271

■ 80.2580, 0.2682,  
0.3761

■ 77.9835, 0.2619,  
0.3884

■ 76.1936, 0.2574,  
0.4011

■ 74.8475, 0.2549,  
0.4141

■ 73.8970, 0.2544,  
0.4270

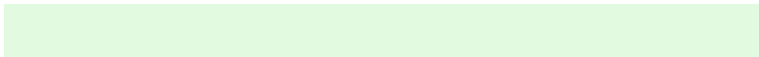
■ 73.2818, 0.2559,  
0.4397

■ 73.1194, 0.2567,  
0.4440

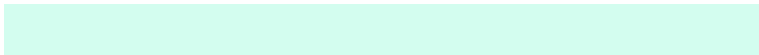
# Harmonies

## Analogous

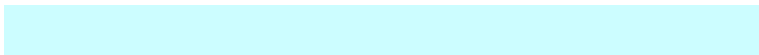
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.3314, 0.3125, 0.3564



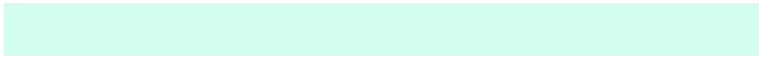
90.3314, 0.2950, 0.3436



90.3314, 0.2825, 0.3268

# Triad

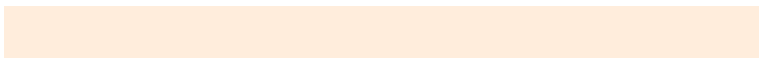
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



90.3314, 0.2950, 0.3436



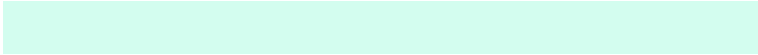
90.3314, 0.2946, 0.2984



90.3314, 0.3489, 0.3452

# Complementary

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



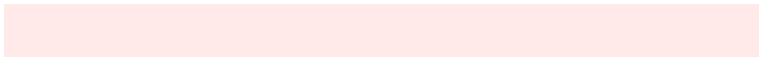
90.3314, 0.2950, 0.3436



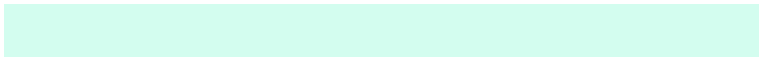
72.8751, 0.3343, 0.3149

# 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.



90.3314, 0.3439, 0.3300



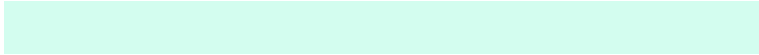
90.3314, 0.2950, 0.3436



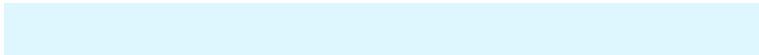
90.3314, 0.3121, 0.3035

# Square

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



90.3314, 0.2950, 0.3436



90.3314, 0.2822, 0.3010



90.3314, 0.3303, 0.3149



90.3314, 0.3439, 0.3569



# Rectangle

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



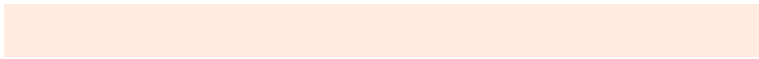
90.3314, 0.2950, 0.3436



90.3314, 0.2784, 0.3160



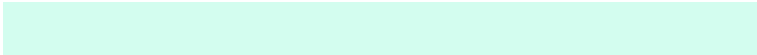
90.3314, 0.3303, 0.3149



90.3314, 0.3483, 0.3404

# Sweetspot

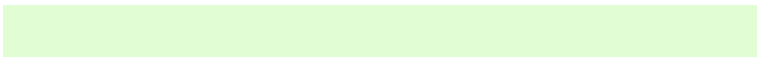
The Sweet Spot groups the original color and five complimentary colors.



90.3352, 0.2950, 0.3436



97.3910, 0.3073, 0.3331



90.9653, 0.3195, 0.3729



20.7700, 0.3065, 0.3337



0.0000, 0.0000, 0.0000

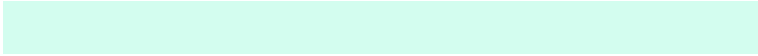


21.4041, 0.3127, 0.3290

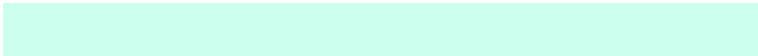


# Same Dimension

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



90.3352, 0.2950, 0.3436



90.5313, 0.2916, 0.3469



86.8476, 0.2872, 0.3217



20.3726, 0.3025, 0.3370



38.9176, 0.2561, 0.4419



3.8096, 0.2521, 0.4274



# Inverse Universe

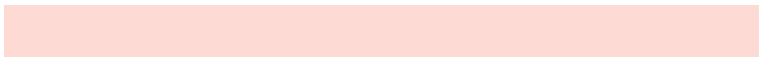
The Inverse Universe completely reimagines the original color for something new.



72.8751, 0.3343, 0.3149



69.6654, 0.3397, 0.3119



75.7018, 0.3434, 0.3362



18.0869, 0.3242, 0.3211



11.4755, 0.5648, 0.2885



1.1366, 0.5330, 0.2710



# Previews

## White Background



This preview shows how the Yxy color 90.3314, 0.2950, 0.3436 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

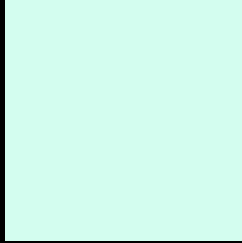
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 90.3314, 0.2950, 0.3436 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

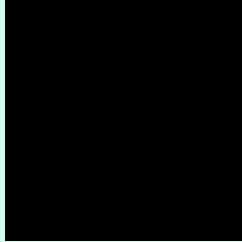
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

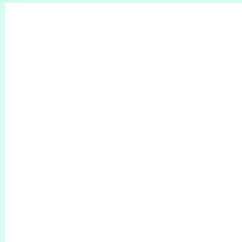
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 90.3314, 0.2950, 0.3436**

## **Background**



This preview shows how black text looks on a background with the Yxy color 90.3314, 0.2950, 0.3436.

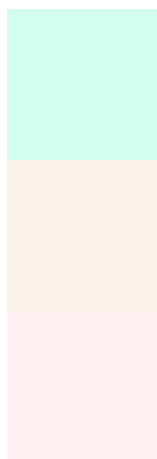


This preview shows how white text looks on a background with the Yxy color 90.3314, 0.2950, 0.3436.

# 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

90.3314, 0.2950, 0.3436

### Protanopia

89.7114, 0.3235, 0.3379

### Deuteranopia

90.0512, 0.3208, 0.3261



## Tritanopia

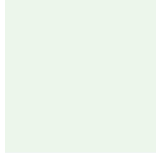
90.2873, 0.2987, 0.3200

# Trichromacy



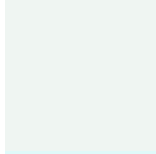
## Original Color

90.3314, 0.2950, 0.3436



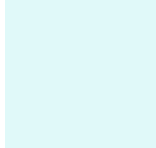
## Protanomaly

89.7426, 0.3128, 0.3401



## Deuteranomaly

90.0663, 0.3106, 0.3320



## Tritanomaly

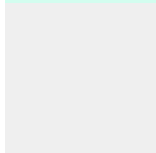
90.4382, 0.2972, 0.3290

# Monochromacy



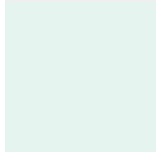
## Original Color

90.3314, 0.2950, 0.3436



## Achromatopsia

86.3157, 0.3127, 0.3290



## Achromatomaly

87.5914, 0.3061, 0.3341

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 90.3314, 0.2950, 0.3436 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(211, 253, 239)` looks like.

```
.text, #text, p{  
    color:rgb(211, 253, 239)  
}
```

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(211, 253, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 253, 239) }
```

## Border

The CSS property to change the border of an element to Yxy 90.3314, 0.2950, 0.3436 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(211, 253, 239) }
```

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

```
.border{ border-color:rgb(211, 253, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(211, 253, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 253, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 253, 239);  
box-shadow:4px 4px 4px 4px rgb(211, 253,  
239) }
```



# Background

The CSS property to change the background color of an element to Yxy 90.3314, 0.2950, 0.3436 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 253, 239) }
```

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

```
.background{ background-color: rgb(211,  
253, 239) }
```

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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