

# Converting Colors

$Y_{xy}(100.0000, 0.3031, 0.3671)$

Have a look what the booklet for  
Yxy(100.0000, 0.3031, 0.3671)  
contains.

<b>Yxy(91.9849, 0.3036, 0.3550)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(91.9849, 0.3036, 0.3550)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D9FFE6
RGB	217, 255, 230
RGB Percent	85%, 100%, 90%
CMY	0.1488, 0.0000, 0.0981
CMYK	0.15, 0.00, 0.10, 0.00
HSL	140°, 100%, 93%
HSV	140°, 15%, 100%
XYZ	78.6665, 91.9849, 88.4610
YIQ	240.7880, -14.6230, -15.8310

# Conversions

## Conversions Part 2

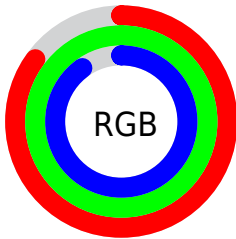
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	217, 245, 255
Decimal	14286822
CIE <sub>Lab</sub>	96.81, -16.82, 7.89
CIE <sub>LCh</sub>	97, 18.577, 154.880
Yxy	91.9849, 0.3036, 0.3550
Android (android.graphics.Color)	4292476902 (0xFFD9FFE6)
YUV	240.7880, -5.3185, -20.8621
Hunter-Lab	95.9088, -21.4306, 12.4503

# Details

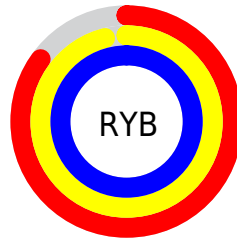
The Yxy color **91.9849, 0.3036, 0.3550** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **77.3232, 0.3231, 0.3043**, and the grayscale version is **87.8466, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **51.1647, 0.3013, 0.3599** is the 20% darker color. If you saturate the color by 10%, you get **87.4783, 0.2977, 0.3751**, and if you desaturate by 10%, it is **97.1941, 0.3097, 0.3370**.

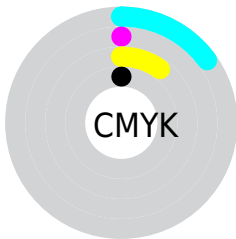
# Distribution



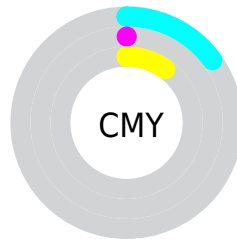
- Red (85%)
- Green (100%)
- Blue (90%)



- Red (85%)
- Yellow (96%)
- Blue (100%)



- Cyan (15%)
- Magenta (0%)
- Yellow (10%)
- Black (0%)




- Cyan (15%)
- Magenta (0%)
- Yellow (10%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 91.9849, 0.3036, 0.3550 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 91.9849, 0.3036, 0.3550 by changing the saturation by 10% instead.



 91.9849, 0.3036,  
0.3550

 91.9849, 0.3036,  
0.3550

534.4667, 0.3078,  
0.3432

 69.6281, 0.3027,  
0.3576


150.0925, 0.3050,  
0.3510

 51.2234, 0.3015,  
0.3609


186.6120, 0.3056,  
0.3494

 36.3864, 0.3001,  
0.3649

228.6212, 0.3061,  
0.3480

 24.7328, 0.2982,  
0.3701

276.5046, 0.3065,  
0.3468

 15.8781, 0.2957,  
0.3771

330.6464, 0.3069,  
0.3458

 9.4379, 0.2921,  
0.3869

391.4311, 0.3072,

 5.0279, 0.2866,

0.3448

0.4017

459.2431, 0.3075,  
0.3440

■ 2.2636, 0.2773,  
0.4266

■ 0.7544, 0.2302,  
0.5669

■ 91.9849, 0.3036,  
0.3550

■ 91.9849, 0.3036,  
0.3550

■ 87.4783, 0.2977,  
0.3751

■ 97.1941, 0.3097,  
0.3370

■ 83.6324, 0.2922,  
0.3973

99.9974, 0.3127,  
0.3290

■ 80.4186, 0.2874,  
0.4213

■ 77.8017, 0.2838,  
0.4467

■ 75.7428, 0.2815,  
0.4726

■ 74.1984, 0.2809,  
0.4980

■ 73.1179, 0.2821,  
0.5219

■ 72.4397, 0.2850,  
0.5431

■ 72.2048, 0.2869,  
0.5527

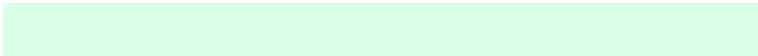
# Harmonies

## Analogous

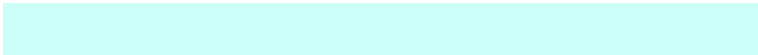
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



91.9849, 0.3244, 0.3647



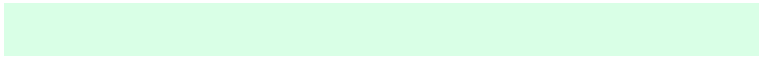
91.9849, 0.3036, 0.3550



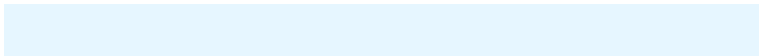
91.9849, 0.2857, 0.3377

# Triad

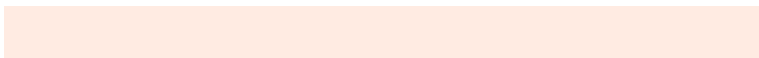
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



91.9849, 0.3036, 0.3550



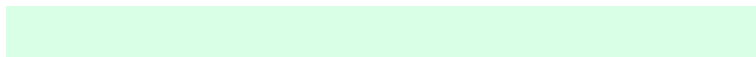
91.9849, 0.2831, 0.2950



91.9849, 0.3519, 0.3375

# Complementary

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



91.9849, 0.3036, 0.3550



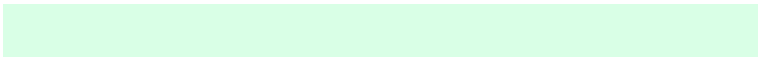
77.3232, 0.3231, 0.3043

# 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.



91.9849, 0.3401, 0.3199



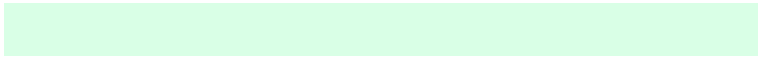
91.9849, 0.3036, 0.3550



91.9849, 0.3001, 0.2959

# Square

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



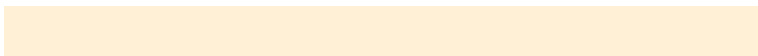
91.9849, 0.3036, 0.3550



91.9849, 0.2741, 0.3029



91.9849, 0.3210, 0.3049

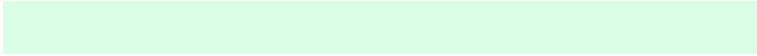


91.9849, 0.3528, 0.3537



# Rectangle

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



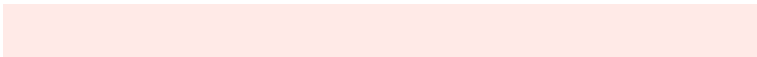
91.9849, 0.3036, 0.3550



91.9849, 0.2776, 0.3246



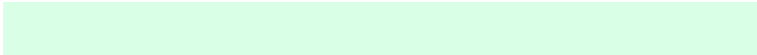
91.9849, 0.3210, 0.3049



91.9849, 0.3491, 0.3316

# Sweetspot

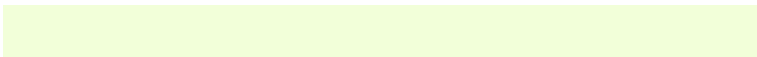
The Sweet Spot groups the original color and five complimentary colors.



91.9888, 0.3036, 0.3550



97.6911, 0.3103, 0.3355



95.4682, 0.3269, 0.3670



20.8198, 0.3098, 0.3368



0.0000, 0.0000, 0.0000

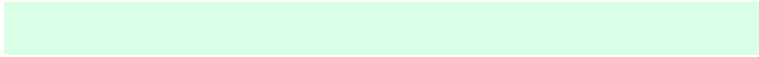


21.4041, 0.3127, 0.3290

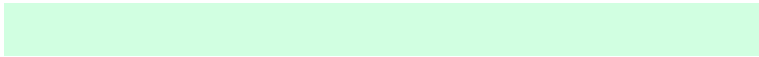


# Same Dimension

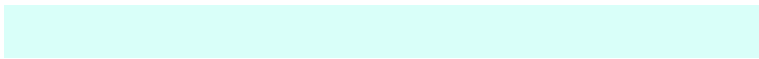
The Same Dimension uses a secret algorithm to generate beautiful new colors.



91.9888, 0.3036, 0.3550



90.5126, 0.3017, 0.3610



93.0954, 0.2934, 0.3354



20.2704, 0.3069, 0.3451



37.7549, 0.2860, 0.5497



3.6956, 0.2797, 0.5270



# Inverse Universe

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



77.3232, 0.3231, 0.3043



73.1626, 0.3257, 0.2990



76.2569, 0.3362, 0.3227



18.1889, 0.3191, 0.3135



12.6160, 0.4307, 0.2146



1.2489, 0.4149, 0.2059



# Previews

## White Background



This preview shows how the Yxy color 91.9849, 0.3036, 0.3550 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

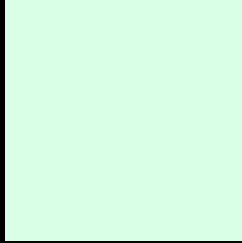
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 91.9849, 0.3036, 0.3550 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

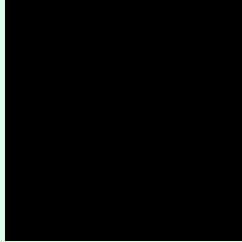
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

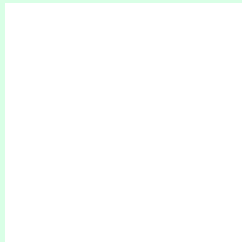
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 91.9849, 0.3036, 0.3550**

## **Background**



This preview shows how black text looks on a background with the Yxy color 91.9849, 0.3036, 0.3550.

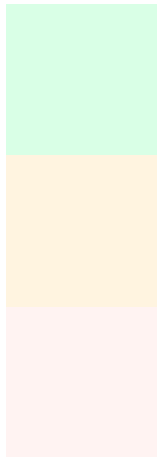


This preview shows how white text looks on a background with the Yxy color 91.9849, 0.3036, 0.3550.

# 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

91.9849, 0.3036, 0.3550

### Protanopia

91.3432, 0.3323, 0.3487

### Deuteranopia

91.7720, 0.3212, 0.3300



## Tritanopia

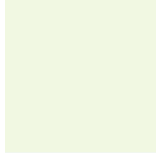
91.7461, 0.3018, 0.3211

# Trichromacy



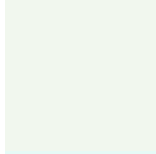
## Original Color

91.9849, 0.3036, 0.3550



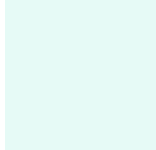
## Protanomaly

91.3266, 0.3213, 0.3512



## Deuteranomaly

91.3953, 0.3142, 0.3380



## Tritanomaly

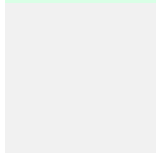
91.8480, 0.3026, 0.3330

# Monochromacy



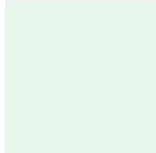
## Original Color

91.9849, 0.3036, 0.3550



## Achromatopsia

87.9622, 0.3127, 0.3290



## Achromatomaly

89.1818, 0.3091, 0.3381

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 91.9849, 0.3036, 0.3550 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(217, 255, 230)` looks like.

```
.text, #text, p{  
    color:rgb(217, 255, 230)  
}
```

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(217, 255, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 255, 230) }
```

## Border

The CSS property to change the border of an element to Yxy 91.9849, 0.3036, 0.3550 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(217, 255, 230) }
```

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

```
.border{ border-color:rgb(217, 255, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 255, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 255, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 255, 230);  
box-shadow:4px 4px 4px 4px rgb(217, 255,  
230) }
```



# Background

The CSS property to change the background color of an element to Yxy 91.9849, 0.3036, 0.3550 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 255, 230) }
```

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

```
.background{ background-color: rgb(217,  
255, 230) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor