

# Converting Colors

$Y_{xy}(100.0000, 0.2897, 0.3499)$

Have a look what the booklet for  
Yxy(100.0000, 0.2897, 0.3499)  
contains.

<b>Yxy(91.6453, 0.2891, 0.3372)</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(91.6453, 0.2891, 0.3372)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D0FFF7
RGB	208, 255, 247
RGB Percent	82%, 100%, 97%
CMY	0.1841, 0.0000, 0.0313
CMYK	0.18, 0.00, 0.03, 0.00
HSL	170°, 100%, 91%
HSV	170°, 18%, 100%
XYZ	78.5725, 91.6453, 101.5654
YIQ	240.0350, -25.4440, -12.4520

# Conversions

## Conversions Part 2

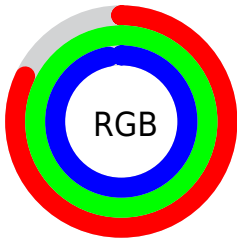
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	208, 234, 255
Decimal	13697015
CIE <sub>Lab</sub>	96.68, -16.41, -1.15
CIE <sub>LCh</sub>	97, 16.448, 184.002
Yxy	91.6453, 0.2891, 0.3372
Android (android.graphics.Color)	4291887095 (0xFFD0FFF7)
<b>YUV</b>	240.0350, 3.4337, -28.0947
Hunter-Lab	95.7316, -21.0247, 4.1090

# Details

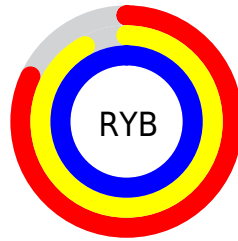
The Yxy color **91.6453, 0.2891, 0.3372** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **71.3494, 0.3428, 0.3210**, and the grayscale version is **87.1631, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **50.9221, 0.2839, 0.3383** is the 20% darker color. If you saturate the color by 10%, you get **87.9803, 0.2774, 0.3422**, and if you desaturate by 10%, it is **95.9183, 0.3017, 0.3326**.

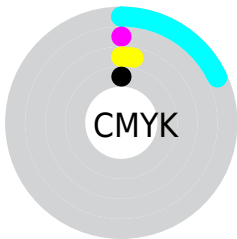
# Distribution



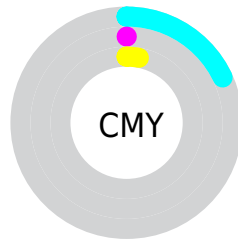
- Red (82%)
- Green (100%)
- Blue (97%)



- Red (82%)
- Yellow (92%)
- Blue (100%)



- Cyan (18%)
- Magenta (0%)
- Yellow (3%)
- Black (0%)




- Cyan (18%)
- Magenta (0%)
- Yellow (3%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 91.6453, 0.2891, 0.3372 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 91.6453, 0.2891, 0.3372 by changing the saturation by 10% instead.



 91.6453, 0.2891,  
0.3372

 91.6453, 0.2891,  
0.3372


533.3685, 0.2996,  
0.3336

 69.3461, 0.2868,  
0.3380


149.6217, 0.2926,  
0.3360

 50.9936, 0.2840,  
0.3389

186.0676, 0.2940,  
0.3355

 36.2035, 0.2806,  
0.3401


227.9979, 0.2953,  
0.3351

 24.5914, 0.2762,  
0.3415

275.7970, 0.2963,  
0.3347

 15.7729, 0.2705,  
0.3435

329.8492, 0.2973,  
0.3344

 9.3636, 0.2626,  
0.3461

390.5389, 0.2981,

 4.9791, 0.2512,

0.3341

0.3498

458.2505, 0.2989,  
0.3338

■ 2.2350, 0.2331,  
0.3556

■ 0.7390, 0.1567,  
0.3837

■ 91.6453, 0.2891,  
0.3372

■ 91.6453, 0.2891,  
0.3372

■ 87.9803, 0.2774,  
0.3422

■ 95.9183, 0.3017,  
0.3326

■ 84.8836, 0.2669,  
0.3476

99.9959, 0.3127,  
0.3290

■ 82.3282, 0.2578,  
0.3533

■ 80.2806, 0.2504,  
0.3593

■ 78.7033, 0.2449,  
0.3654

■ 77.5538, 0.2415,  
0.3716

■ 76.7818, 0.2399,  
0.3777

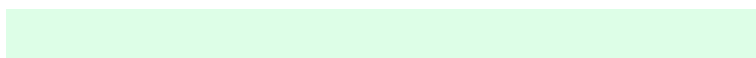
■ 76.3168, 0.2401,  
0.3838

■ 76.2560, 0.2402,  
0.3848

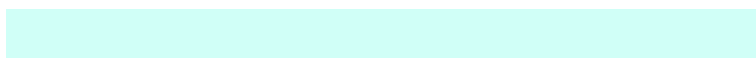
# Harmonies

## Analogous

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



91.6453, 0.3052, 0.3523



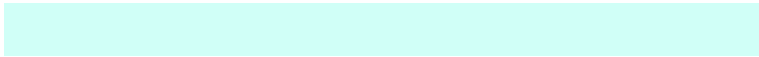
91.6453, 0.2891, 0.3372



91.6453, 0.2794, 0.3201

# Triad

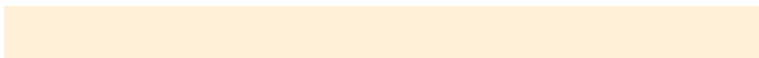
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



91.6453, 0.2891, 0.3372



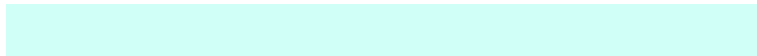
91.6453, 0.3010, 0.2994



91.6453, 0.3483, 0.3506

# Complementary

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



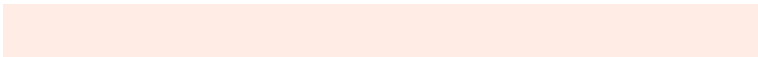
91.6453, 0.2891, 0.3372



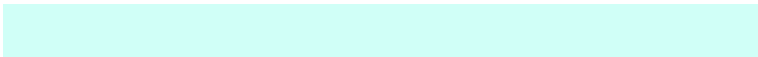
71.3494, 0.3428, 0.3210

# 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.



91.6453, 0.3473, 0.3362



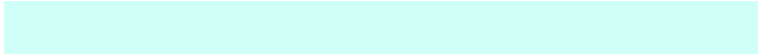
91.6453, 0.2891, 0.3372



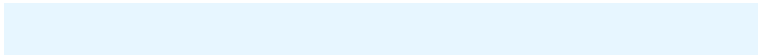
91.6453, 0.3195, 0.3073

# Square

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



91.6453, 0.2891, 0.3372



91.6453, 0.2861, 0.2989



91.6453, 0.3366, 0.3205

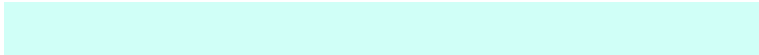


91.6453, 0.3396, 0.3598



# Rectangle

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



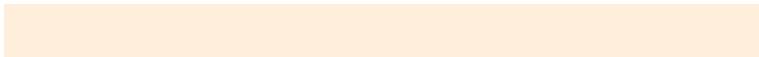
91.6453, 0.2891, 0.3372



91.6453, 0.2776, 0.3103



91.6453, 0.3366, 0.3205



91.6453, 0.3491, 0.3462

# Sweetspot

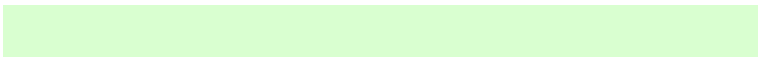
The Sweet Spot groups the original color and five complimentary colors.



91.6491, 0.2891, 0.3372



97.0467, 0.3048, 0.3315



90.7702, 0.3157, 0.3787



20.7062, 0.3040, 0.3318



0.0000, 0.0000, 0.0000

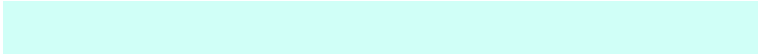


21.4041, 0.3127, 0.3290

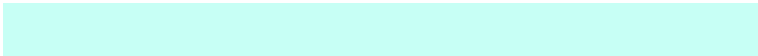


# Same Dimension

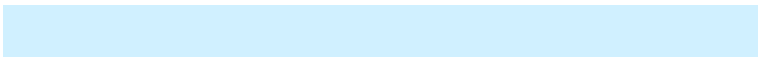
The Same Dimension uses a secret algorithm to generate beautiful new colors.



91.6491, 0.2891, 0.3372



90.2705, 0.2848, 0.3390



83.0298, 0.2841, 0.3134



20.4254, 0.3003, 0.3331



39.8672, 0.2399, 0.3838



3.8951, 0.2380, 0.3768



# Inverse Universe

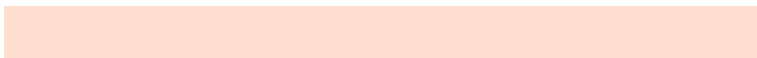
The Inverse Universe completely reimagines the original color for something new.



71.3494, 0.3428, 0.3210



66.6355, 0.3502, 0.3193



78.5423, 0.3461, 0.3441



18.0373, 0.3268, 0.3250



11.2155, 0.6155, 0.3164

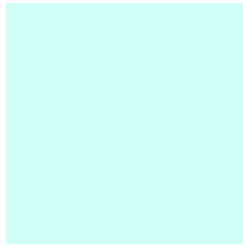


1.1054, 0.5873, 0.3009



# Previews

## White Background



This preview shows how the Yxy color 91.6453, 0.2891, 0.3372 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

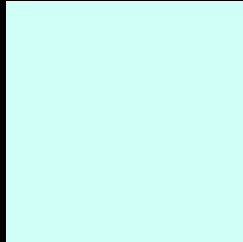
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 91.6453, 0.2891, 0.3372 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

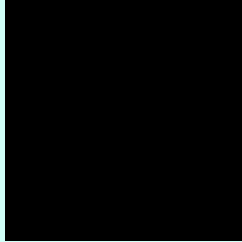
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

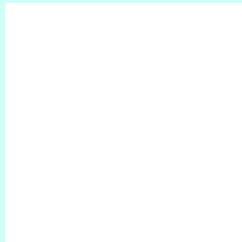
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 91.6453, 0.2891, 0.3372**

## **Background**



This preview shows how black text looks on a background with the Yxy color 91.6453, 0.2891, 0.3372.

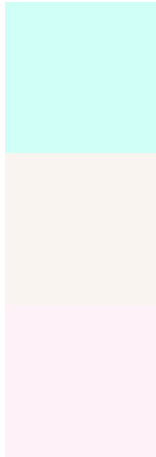


This preview shows how white text looks on a background with the Yxy color 91.6453, 0.2891, 0.3372.

# 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

91.6453, 0.2891, 0.3372

### Protanopia

91.3762, 0.3184, 0.3320

### Deuteranopia

90.9479, 0.3176, 0.3223



## Tritanopia

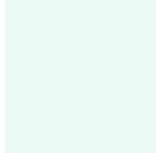
91.2340, 0.2999, 0.3210

# Trichromacy



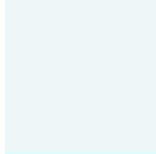
## Original Color

91.6453, 0.2891, 0.3372



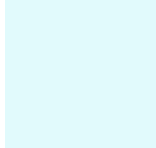
## Protanomaly

91.2680, 0.3074, 0.3340



## Deuteranomaly

90.8660, 0.3065, 0.3270



## Tritanomaly

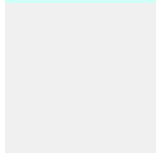
91.4070, 0.2962, 0.3269

# Monochromacy



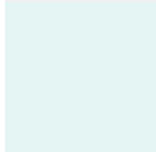
## Original Color

91.6453, 0.2891, 0.3372



## Achromatopsia

87.1367, 0.3127, 0.3290



## Achromatomaly

88.2699, 0.3031, 0.3310

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 91.6453, 0.2891, 0.3372 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(208, 255, 247)` looks like.

```
.text, #text, p{  
    color:rgb(208, 255, 247)  
}
```

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(208, 255, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 255, 247) }
```

## Border

The CSS property to change the border of an element to Yxy 91.6453, 0.2891, 0.3372 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(208, 255, 247) }
```

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

```
.border{ border-color:rgb(208, 255, 247) }
```

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

Here you see how a box with a 4 pixel rgb(208, 255, 247) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 255, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 255, 247);  
box-shadow:4px 4px 4px 4px rgb(208, 255,  
247) }
```



# Background

The CSS property to change the background color of an element to Yxy 91.6453, 0.2891, 0.3372 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 255, 247) }
```

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

```
.background{ background-color: rgb(208,  
255, 247) }
```

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