

# Converting Colors

$Yxy(91.5353, 0.2830, 0.3296)$

Have a look what the booklet for  
Yxy(91.5353, 0.2830, 0.3296)  
contains.

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# Color

**Yxy(91.5131, 0.2832, 0.3300)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CCFFFE
RGB	204, 255, 254
RGB Percent	80%, 100%, 100%
CMY	0.2002, 0.0000, 0.0040
CMYK	0.20, 0.00, 0.00, 0.00
HSL	179°, 100%, 90%
HSV	179°, 20%, 100%
XYZ	78.5349, 91.5131, 107.2644
YIQ	239.6370, -30.0750, -11.1230

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	204, 230, 255
Decimal	13434878
CIE <sub>Lab</sub>	96.62, -16.25, -4.83
CIE <sub>LCh</sub>	97, 16.952, 196.554
Yxy	91.5131, 0.2832, 0.3300
Android (android.graphics.Color)	4291624958 (0xFFCCFFFE)
YUV	239.6370, 7.0810, -31.2536
Hunter-Lab	95.6625, -20.8683, 0.4830

# Details

The Yxy color **91.5131, 0.2832, 0.3300** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **68.8245, 0.3519, 0.3281**, and the grayscale version is **86.7826, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **50.8089, 0.2773, 0.3302** is the 20% darker color. If you saturate the color by 10%, you get **88.1583, 0.2700, 0.3305**, and if you desaturate by 10%, it is **95.4377, 0.2975, 0.3295**.

# Distribution



- Red (80%)
- Green (100%)
- Blue (100%)



- Red (80%)
- Yellow (90%)
- Blue (100%)



- Cyan (20%)
- Magenta (0%)
- Yellow (0%)
- Black (0%)




- Cyan (20%)
- Magenta (0%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 91.5131, 0.2832, 0.3300 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 91.5131, 0.2832, 0.3300 by changing the saturation by 10% instead.



 91.5131, 0.2832,  
0.3300

 91.5131, 0.2832,  
0.3300


532.9407, 0.2962,  
0.3297

 69.2363, 0.2804,  
0.3300

149.4384, 0.2876,  
0.3299

 50.9042, 0.2769,  
0.3301

185.8556, 0.2893,  
0.3299

 36.1323, 0.2727,  
0.3301

227.7552, 0.2909,  
0.3299

 24.5364, 0.2673,  
0.3301

275.5214, 0.2922,  
0.3298

 15.7320, 0.2603,  
0.3300

329.5386, 0.2934,  
0.3298

 9.3347, 0.2508,  
0.3297

390.1913, 0.2944,

 4.9601, 0.2370,

0.3298

457.8639, 0.2954,  
0.3297

0.3292

2.2239, 0.2155,  
0.3277

0.7330, 0.1377,  
0.3364

91.5131, 0.2832,  
0.3300

91.5131, 0.2832,  
0.3300

88.1583, 0.2700,  
0.3305

95.4377, 0.2975,  
0.3295

85.3748, 0.2583,  
0.3311

99.9889, 0.3127,  
0.3290

83.1215, 0.2483,  
0.3317

100.0000, 0.3127,  
0.3290

81.3642, 0.2402,  
0.3324

■ 80.0650, 0.2340,  
0.3330

■ 79.1802, 0.2298,  
0.3337

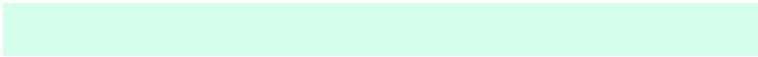
■ 78.6579, 0.2274,  
0.3344

■ 78.4133, 0.2264,  
0.3350

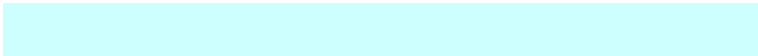
# Harmonies

## Analogous

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



91.5131, 0.2975, 0.3471



91.5131, 0.2832, 0.3300



91.5131, 0.2767, 0.3132

# Triad

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



91.5131, 0.2832, 0.3300



91.5131, 0.3085, 0.3011



91.5131, 0.3468, 0.3561

# Complementary

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



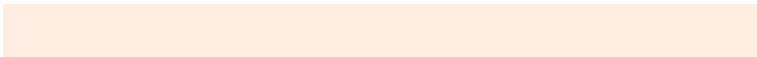
91.5131, 0.2832, 0.3300



68.8245, 0.3519, 0.3281

# 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.



91.5131, 0.3501, 0.3430



91.5131, 0.2832, 0.3300



91.5131, 0.3276, 0.3118

# Square

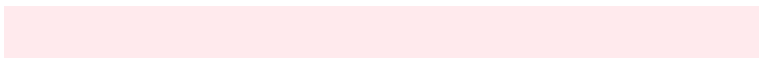
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



91.5131, 0.2832, 0.3300



91.5131, 0.2910, 0.2972



91.5131, 0.3430, 0.3269



91.5131, 0.3342, 0.3623



# Rectangle

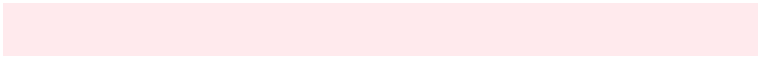
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



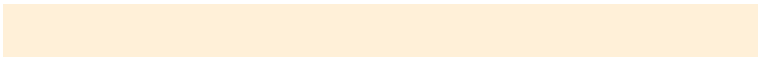
91.5131, 0.2832, 0.3300



91.5131, 0.2776, 0.3046



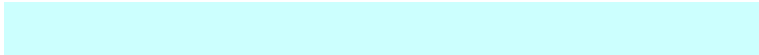
91.5131, 0.3430, 0.3269



91.5131, 0.3490, 0.3523

# Sweetspot

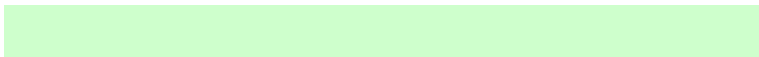
The Sweet Spot groups the original color and five complimentary colors.



91.5030, 0.2832, 0.3300



97.1930, 0.3035, 0.3293



88.9477, 0.3112, 0.3844



20.7408, 0.3025, 0.3293



0.0000, 0.0000, 0.0000

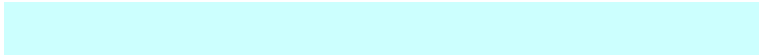


21.4041, 0.3127, 0.3290

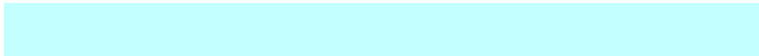


# Same Dimension

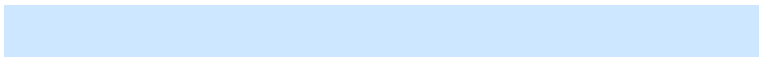
The Same Dimension uses a secret algorithm to generate beautiful new colors.



91.5030, 0.2832, 0.3300



90.1037, 0.2778, 0.3302



77.2978, 0.2811, 0.3036



20.4748, 0.2983, 0.3294



40.9755, 0.2264, 0.3349



3.9916, 0.2262, 0.3341



# Inverse Universe

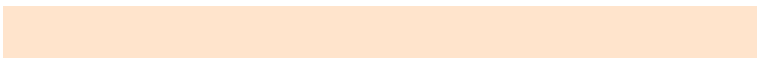
The Inverse Universe completely reimagines the original color for something new.



68.8245, 0.3519, 0.3281



63.6963, 0.3621, 0.3279



80.9766, 0.3481, 0.3531



17.9930, 0.3291, 0.3286



11.1173, 0.6380, 0.3288

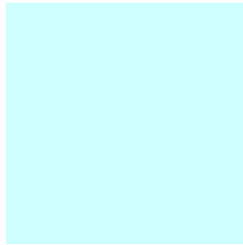


1.0844, 0.6332, 0.3262



# Previews

## White Background



This preview shows how the Yxy color 91.5131, 0.2832, 0.3300 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

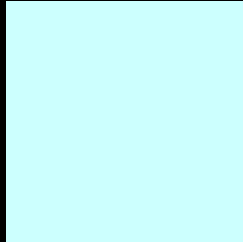
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 91.5131, 0.2832, 0.3300 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

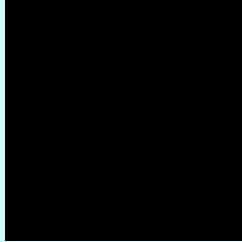
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 91.5131, 0.2832, 0.3300**

## **Background**



This preview shows how black text looks on a background with the Yxy color 91.5131, 0.2832, 0.3300.

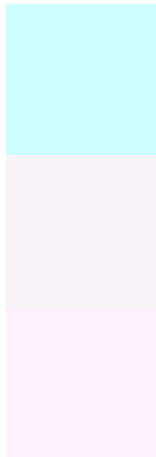


This preview shows how white text looks on a background with the Yxy color 91.5131, 0.2832, 0.3300.

# 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

91.5131, 0.2832, 0.3300

### Protanopia

90.7730, 0.3135, 0.3251

### Deuteranopia

91.1989, 0.3152, 0.3184



## Tritanopia

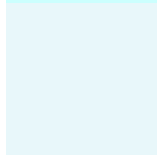
90.8973, 0.2987, 0.3210

# Trichromacy



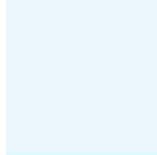
## Original Color

91.5131, 0.2832, 0.3300



## Protanomaly

90.5795, 0.3015, 0.3260



## Deuteranomaly

90.8363, 0.3023, 0.3220



## Tritanomaly

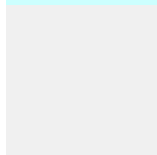
91.1208, 0.2927, 0.3239

# Monochromacy



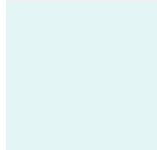
## Original Color

91.5131, 0.2832, 0.3300



## Achromatopsia

87.1367, 0.3127, 0.3290



## Achromatomaly

88.2283, 0.3013, 0.3290

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 91.5131, 0.2832, 0.3300 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(204, 255, 254)` looks like.

```
.text, #text, p{  
    color:rgb(204, 255, 254)  
}
```

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(204, 255, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 255, 254) }
```

## Border

The CSS property to change the border of an element to Yxy 91.5131, 0.2832, 0.3300 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(204, 255, 254) }
```

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

```
.border{ border-color:rgb(204, 255, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 255, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 255, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 255, 254);  
box-shadow:4px 4px 4px 4px rgb(204, 255,  
254) }
```



# Background

The CSS property to change the background color of an element to Yxy 91.5131, 0.2832, 0.3300 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 255, 254) }
```

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

```
.background{ background-color: rgb(204,  
255, 254) }
```

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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