

# Converting Colors

$Yxy(73.9247, 0.2793, 0.2829)$

Have a look what the booklet for  
Yxy(73.9247, 0.2793, 0.2829)  
contains.

<b>Yxy(73.4596, 0.2855, 0.2941)</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(73.4596, 0.2855, 0.2941)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D4DEFF
RGB	212, 222, 255
RGB Percent	83%, 87%, 100%
CMY	0.1688, 0.1293, 0.0001
CMYK	0.17, 0.13, 0.00, 0.00
HSL	226°, 100%, 92%
HSV	226°, 17%, 100%
XYZ	71.3115, 73.4596, 105.0065
YIQ	222.7720, -16.5530, 8.1430

# Conversions

## Conversions Part 2

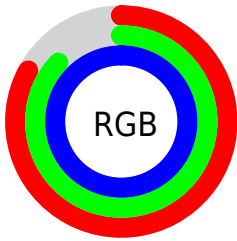
Format	Color
R <sub>Y</sub> B	212, 220, 255
Decimal	13950719
CIE Lab	88.67, 3.19, -17.14
CIE LCh	89, 17.432, 280.536
Yxy	73.4596, 0.2855, 0.2941
Android (android.graphics.Color)	4292140799 (0xFFD4DEFF)
YUV	222.7720, 15.8884, -9.4470
Hunter-Lab	85.7086, -1.4739, -12.6436

# Details

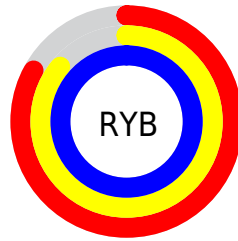
The Yxy color **73.4596, 0.2855, 0.2941** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **91.2656, 0.3397, 0.3616**, and the grayscale version is **73.5133, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **38.8827, 0.2793, 0.2865** is the 20% darker color. If you saturate the color by 10%, you get **60.1829, 0.2676, 0.2700**, and if you desaturate by 10%, it is **88.5434, 0.3021, 0.3157**.

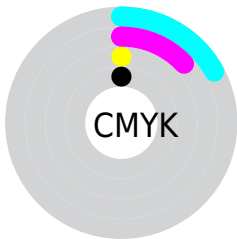
# Distribution



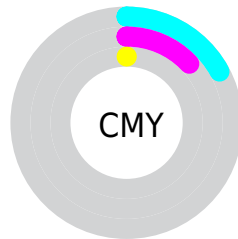
- Red (83%)
- Green (87%)
- Blue (100%)



- Red (83%)
- Yellow (86%)
- Blue (100%)



- Cyan (17%)
- Magenta (13%)
- Yellow (0%)
- Black (0%)



- Cyan (17%)
- Magenta (13%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 73.4596, 0.2855, 0.2941 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 73.4596, 0.2855, 0.2941 by changing the saturation by 10% instead.



73.4596, 0.2855,  
0.2941

73.4596, 0.2855,  
0.2941

472.6062, 0.2980,  
0.3100

54.3519, 0.2827,  
0.2905

124.1295, 0.2898,  
0.2996

38.8830, 0.2792,  
0.2861

156.4604, 0.2915,  
0.3017

26.6687, 0.2748,  
0.2807

193.9678, 0.2930,  
0.3036

17.3246, 0.2690,  
0.2736

237.0361, 0.2942,  
0.3052

10.4662, 0.2613,  
0.2641

286.0497, 0.2954,  
0.3066

5.7091, 0.2504,  
0.2508

341.3929, 0.2964,

2.6690, 0.2337,

0.3079

0.2308

403.4503, 0.2972,  
0.3090

■ 0.9615, 0.2058,  
0.1982

■ 0.0000, 0.0000,  
0.0000

■ 73.4596, 0.2855,  
0.2941

■ 73.4596, 0.2855,  
0.2941

■ 60.1829, 0.2676,  
0.2700

■ 88.5434, 0.3021,  
0.3157

■ 48.6353, 0.2487,  
0.2436

99.9984, 0.3127,  
0.3290

■ 38.7465, 0.2295,  
0.2154

■ 30.4375, 0.2105,  
0.1861

■ 23.6227, 0.1930,  
0.1572

■ 18.2077, 0.1779,  
0.1302

■ 14.0862, 0.1661,  
0.1066

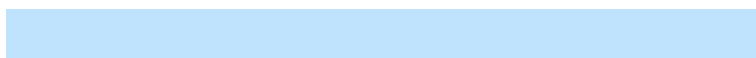
■ 11.1328, 0.1582,  
0.0877

■ 10.4076, 0.1564,  
0.0829

# Harmonies

## Analogous

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



73.4596, 0.2747, 0.3004



73.4596, 0.2855, 0.2941



73.4596, 0.3038, 0.2967

# Triad

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



73.4596, 0.2855, 0.2941



73.4596, 0.3535, 0.3409



73.4596, 0.2997, 0.3524

# Complementary

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



73.4596, 0.2855, 0.2941



91.2656, 0.3397, 0.3616

# Split Complementary

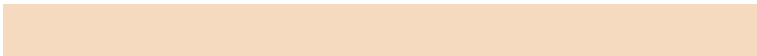
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



73.4596, 0.3206, 0.3641



73.4596, 0.2855, 0.2941



73.4596, 0.3521, 0.3565

# Square

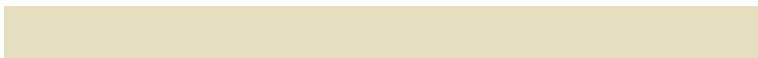
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



73.4596, 0.2855, 0.2941



73.4596, 0.3434, 0.3231



73.4596, 0.3399, 0.3653



73.4596, 0.2827, 0.3340



# Rectangle

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



73.4596, 0.2855, 0.2941



73.4596, 0.3180, 0.3029



73.4596, 0.3399, 0.3653



73.4596, 0.3065, 0.3573

# Sweetspot

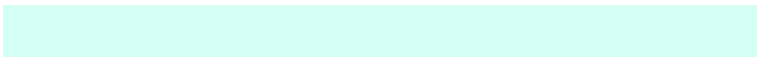
The Sweet Spot groups the original color and five complimentary colors.



73.4626, 0.2855, 0.2941



91.5855, 0.3051, 0.3194



92.0416, 0.2928, 0.3401



19.3580, 0.3040, 0.3180



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.



73.4626, 0.2855, 0.2941



69.1279, 0.2800, 0.2868



69.9317, 0.2922, 0.2841



18.0666, 0.2979, 0.3102



5.6265, 0.1570, 0.0853



0.7061, 0.1627, 0.1056



# Inverse Universe

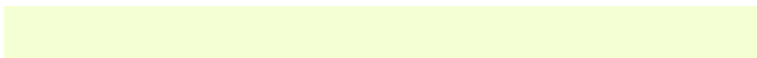
The Inverse Universe completely reimagines the original color for something new.



73.6002, 0.3378, 0.3189



69.3994, 0.3435, 0.3170



95.5292, 0.3311, 0.3720



18.0566, 0.3257, 0.3235



11.2960, 0.5985, 0.3071



1.1158, 0.5675, 0.2900



# Previews

## White Background



This preview shows how the Yxy color 73.4596, 0.2855, 0.2941 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

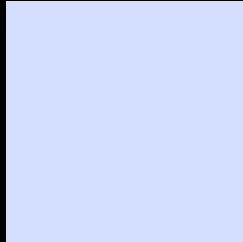
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 73.4596, 0.2855, 0.2941 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

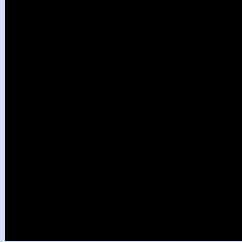
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 73.4596, 0.2855, 0.2941**

## **Background**



This preview shows how black text looks on a background with the Yxy color 73.4596, 0.2855, 0.2941.



This preview shows how white text looks on a background with the Yxy color 73.4596, 0.2855, 0.2941.

# 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

73.4596, 0.2855, 0.2941

### Protanopia

73.6204, 0.2893, 0.2943

### Deuteranopia

73.3397, 0.2959, 0.2899



## Tritanopia

73.4238, 0.2920, 0.3095

# Trichromacy



## Original Color

73.4596, 0.2855, 0.2941

## Protanomaly

73.3157, 0.2880, 0.2942

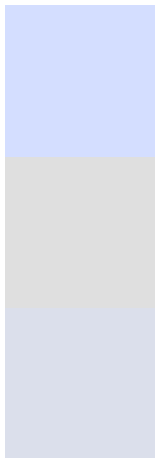
## Deuteranomaly

73.4126, 0.2919, 0.2915

## Tritanomaly

73.3396, 0.2896, 0.3033

# Monochromacy



## Original Color

73.4596, 0.2855, 0.2941

## Achromatopsia

73.7910, 0.3127, 0.3290

## Achromatomaly

73.8336, 0.3023, 0.3161

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 73.4596, 0.2855, 0.2941 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, 222, 255)` looks like.

```
.text, #text, p{  
    color:rgb(212, 222, 255)  
}
```

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, 222, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 222, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 73.4596, 0.2855, 0.2941 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, 222, 255) }
```

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

```
.border{ border-color:rgb(212, 222, 255) }
```

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

Here you see how a box with a 4 pixel rgb(212, 222, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 222, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 222, 255);  
box-shadow:4px 4px 4px 4px rgb(212, 222,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 73.4596, 0.2855, 0.2941 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 222, 255) }
```

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

```
.background{ background-color: rgb(212,  
222, 255) }
```

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