

# Converting Colors

$Yxy(73.5824, 0.2977, 0.3113)$

Have a look what the booklet for  
Yxy(73.5824, 0.2977, 0.3113)  
contains.

<b>Yxy(73.6063, 0.2978, 0.3118)</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(73.6063, 0.2978, 0.3118)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D8DFEF
RGB	216, 223, 239
RGB Percent	85%, 87%, 94%
CMY	0.1527, 0.1255, 0.0628
CMYK	0.10, 0.07, 0.00, 0.06
HSL	222°, 42%, 89%
HSV	222°, 10%, 94%
XYZ	70.3013, 73.6063, 92.1613
YIQ	222.7310, -9.3080, 3.4920

# Conversions

## Conversions Part 2

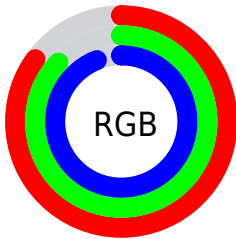
Format	Color
R <sub>Y</sub> B	216, 221, 239
Decimal	14213103
CIE Lab	88.74, 0.73, -8.61
CIE LCh	89, 8.639, 274.859
Yxy	73.6063, 0.2978, 0.3118
Android (android.graphics.Color)	4292403183 (0xFFD8DFEF)
YUV	222.7310, 8.0206, -5.9031
Hunter-Lab	85.7941, -3.8734, -3.6343

# Details

The Yxy color **73.6063, 0.2978, 0.3118** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **81.0723, 0.3278, 0.3456**, and the grayscale version is **73.5467, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **39.0012, 0.2942, 0.3080** is the 20% darker color. If you saturate the color by 10%, you get **61.7451, 0.2811, 0.2917**, and if you desaturate by 10%, it is **86.8825, 0.3133, 0.3297**.

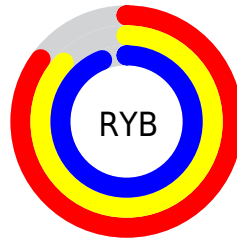
# Distribution



Red (85%)

Green (87%)

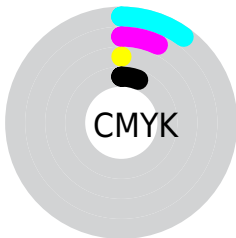
Blue (94%)



Red (85%)

Yellow (87%)

Blue (94%)

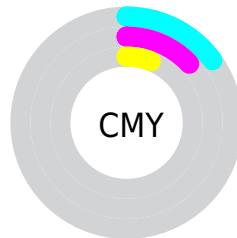


Cyan (10%)

Magenta (7%)

Yellow (0%)

Black (6%)



Cyan (15%)

Magenta (13%)

Yellow (6%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 73.6063, 0.2978, 0.3118 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 73.6063, 0.2978, 0.3118 by changing the saturation by 10% instead.



■ 73.6063, 0.2978,  
0.3118

■ 73.6063, 0.2978,  
0.3118

473.1135, 0.3047,  
0.3197

■ 54.4719, 0.2962,  
0.3100

124.3376, 0.3002,  
0.3145

■ 38.9790, 0.2943,  
0.3078

156.7032, 0.3011,  
0.3156

■ 26.7434, 0.2919,  
0.3050

194.2480, 0.3019,  
0.3165

■ 17.3806, 0.2887,  
0.3013

237.3563, 0.3026,  
0.3173

■ 10.5062, 0.2843,  
0.2964

286.4127, 0.3032,  
0.3180

■ 5.7359, 0.2781,  
0.2893

341.8014, 0.3038,

■ 2.6851, 0.2684,

0.3187

0.2783

403.9068, 0.3042,  
0.3192

■ 0.9697, 0.2513,  
0.2590

■ 0.0000, 0.0000,  
0.0000

■ 73.6063, 0.2978,  
0.3118

■ 73.6063, 0.2978,  
0.3118

■ 61.7451, 0.2811,  
0.2917

■ 86.8825, 0.3133,  
0.3297

■ 51.2414, 0.2634,  
0.2693

■ 99.0119, 0.3220,  
0.3444

■ 42.0476, 0.2451,  
0.2449

■ 34.1093, 0.2267,  
0.2189

■ 27.3681, 0.2089,  
0.1920

■ 21.7607, 0.1927,  
0.1653

■ 17.2170, 0.1788,  
0.1399

■ 13.6572, 0.1681,  
0.1172

■ 10.9719, 0.1607,  
0.0982

# Harmonies

## Analogous

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



73.6063, 0.2931, 0.3161



73.6063, 0.2978, 0.3118



73.6063, 0.3065, 0.3121

# Triad

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



73.6063, 0.2978, 0.3118



73.6063, 0.3322, 0.3336



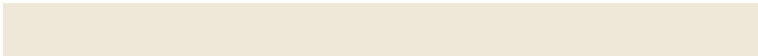
73.6063, 0.3083, 0.3418

# Complementary

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



73.6063, 0.2978, 0.3118



81.0723, 0.3278, 0.3456

# Split Complementary

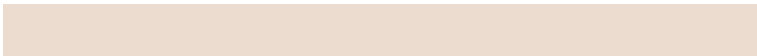
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



73.6063, 0.3187, 0.3466



73.6063, 0.2978, 0.3118



73.6063, 0.3327, 0.3416

# Square

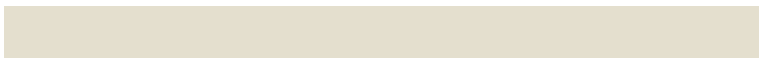
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



73.6063, 0.2978, 0.3118



73.6063, 0.3264, 0.3245



73.6063, 0.3277, 0.3465



73.6063, 0.2991, 0.3334



# Rectangle

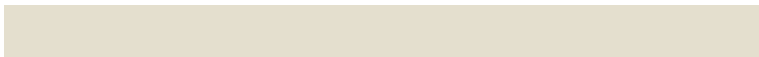
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



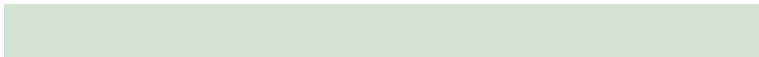
73.6063, 0.2978, 0.3118



73.6063, 0.3134, 0.3148



73.6063, 0.3277, 0.3465



73.6063, 0.3118, 0.3439

# Sweetspot

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



73.6094, 0.2978, 0.3118



95.2162, 0.3082, 0.3238



82.1533, 0.3022, 0.3367



20.1120, 0.3069, 0.3224



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.



73.6094, 0.2978, 0.3118



81.7658, 0.2938, 0.3071



70.6384, 0.3006, 0.3045



16.0060, 0.2980, 0.3120



6.2119, 0.1612, 0.1002



0.6849, 0.1683, 0.1259



# Inverse Universe

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



72.8255, 0.3247, 0.3218



80.7058, 0.3282, 0.3199



84.3211, 0.3241, 0.3528



15.8373, 0.3246, 0.3219



10.4204, 0.5756, 0.2944

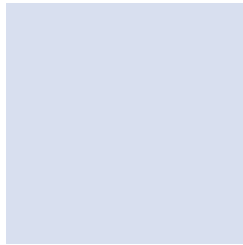


0.8839, 0.5383, 0.2739



# Previews

## White Background



This preview shows how the Yxy color 73.6063, 0.2978, 0.3118 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

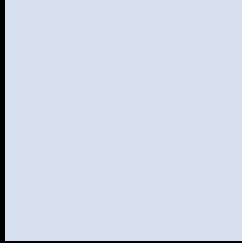
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 73.6063, 0.2978, 0.3118 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

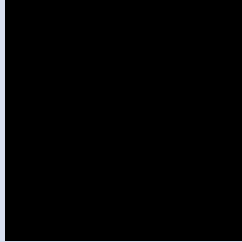
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

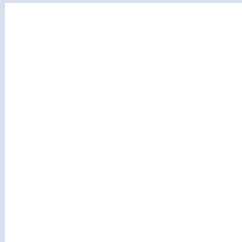
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 73.6063, 0.2978, 0.3118**

## **Background**



This preview shows how black text looks on a background with the Yxy color 73.6063, 0.2978, 0.3118.

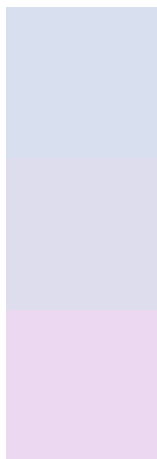


This preview shows how white text looks on a background with the Yxy color 73.6063, 0.2978, 0.3118.

# 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

73.6063, 0.2978, 0.3118

### Protanopia

73.4155, 0.3024, 0.3109

### Deuteranopia

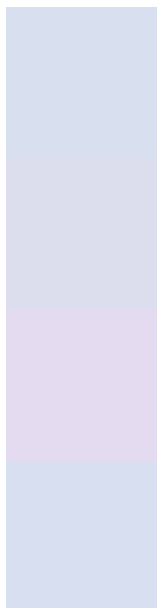
73.2359, 0.3110, 0.3042



## Tritanopia

73.6656, 0.2971, 0.3108

# Trichromacy



## Original Color

73.6063, 0.2978, 0.3118

## Protanomaly

73.6312, 0.3011, 0.3119

## Deuteranomaly

73.6123, 0.3060, 0.3070

## Tritanomaly

73.6656, 0.2971, 0.3108

# Monochromacy



## Original Color

73.6063, 0.2978, 0.3118

## Achromatopsia

73.7910, 0.3127, 0.3290

## Achromatomaly

73.6481, 0.3068, 0.3225

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 73.6063, 0.2978, 0.3118 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(216, 223, 239)` looks like.

```
.text, #text, p{  
    color:rgb(216, 223, 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(216, 223, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 223, 239) }
```

## Border

The CSS property to change the border of an element to Yxy 73.6063, 0.2978, 0.3118 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(216, 223, 239) }
```

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

```
.border{ border-color:rgb(216, 223, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 223, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(216, 223, 239); -webkit-box-shadow:4px 4px 4px 4px rgb(216, 223, 239); box-shadow:4px 4px 4px 4px rgb(216, 223, 239) }
```



# Background

The CSS property to change the background color of an element to Yxy 73.6063, 0.2978, 0.3118 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 223, 239) }
```

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

```
.background{ background-color: rgb(216,  
223, 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](#).

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