

# Converting Colors

$Yxy(73.6598, 0.3028, 0.3156)$

Have a look what the booklet for  
Yxy(73.6598, 0.3028, 0.3156)  
contains.

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# Color

**Yxy(73.4564, 0.3030, 0.3151)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DCDEEB
RGB	220, 222, 235
RGB Percent	86%, 87%, 92%
CMY	0.1371, 0.1294, 0.0785
CMYK	0.06, 0.06, 0.00, 0.08
HSL	232°, 27%, 89%
HSV	232°, 6%, 92%
XYZ	70.6356, 73.4564, 89.0289
YIQ	222.8840, -5.3650, 3.6190

# Conversions

## Conversions Part 2

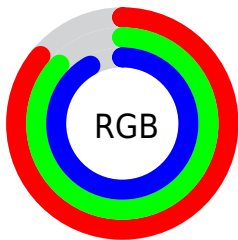
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	220, 222, 235
Decimal	14474987
CIE Lab	88.66, 1.75, -6.56
CIE LCh	89, 6.793, 284.964
Yxy	73.4564, 0.3030, 0.3151
Android (android.graphics.Color)	4292665067 (0xFFDCDEEB)
YUV	222.8840, 5.9732, -2.5293
Hunter-Lab	85.7067, -2.8750, -1.5935

# Details

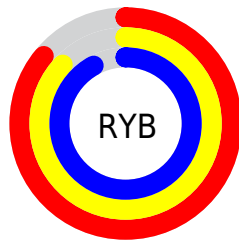
The Yxy color **73.4564, 0.3030, 0.3151** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **81.1072, 0.3223, 0.3425**, and the grayscale version is **73.6690, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **38.8914, 0.3009, 0.3123** is the 20% darker color. If you saturate the color by 10%, you get **59.8544, 0.2863, 0.2908**, and if you desaturate by 10%, it is **88.8919, 0.3180, 0.3364**.

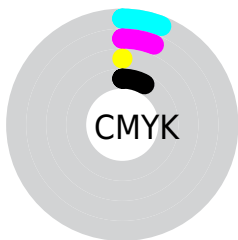
# Distribution



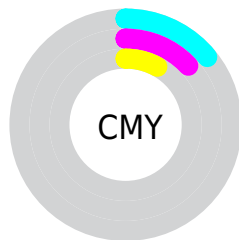
- Red (86%)
- Green (87%)
- Blue (92%)



- Red (86%)
- Yellow (87%)
- Blue (92%)



- Cyan (6%)
- Magenta (6%)
- Yellow (0%)
- Black (8%)



- Cyan (14%)
- Magenta (13%)
- Yellow (8%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 73.4564, 0.3030, 0.3151 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 73.4564, 0.3030, 0.3151 by changing the saturation by 10% instead.



■ 73.4564, 0.3030,  
0.3151

■ 73.4564, 0.3030,  
0.3151

472.5951, 0.3075,  
0.3215

■ 54.3492, 0.3020,  
0.3136

124.1249, 0.3046,  
0.3173

■ 38.8809, 0.3007,  
0.3119

156.4551, 0.3052,  
0.3182

■ 26.6671, 0.2991,  
0.3096

193.9616, 0.3057,  
0.3189

■ 17.3234, 0.2970,  
0.3066

237.0291, 0.3061,  
0.3196

■ 10.4653, 0.2941,  
0.3026

286.0417, 0.3065,  
0.3201

■ 5.7086, 0.2900,  
0.2969

341.3840, 0.3069,

■ 2.6687, 0.2835,

0.3206

0.2880

403.4404, 0.3072,  
0.3211

0.9613, 0.2718,  
0.2723

0.0000, 0.0000,  
0.0000

73.4564, 0.3030,  
0.3151

73.4564, 0.3030,  
0.3151

59.8544, 0.2863,  
0.2908

88.8919, 0.3180,  
0.3364

48.0086, 0.2680,  
0.2637

98.7764, 0.3244,  
0.3483

37.8498, 0.2484,  
0.2339

29.3008, 0.2281,  
0.2023

■ 22.2781, 0.2080,  
0.1701

■ 16.6909, 0.1894,  
0.1391

■ 12.4384, 0.1736,  
0.1113

■ 9.4063, 0.1616,  
0.0887

■ 7.4597, 0.1543,  
0.0728

# Harmonies

## Analogous

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



73.4564, 0.2981, 0.3173



73.4564, 0.3030, 0.3151



73.4564, 0.3106, 0.3165

# Triad

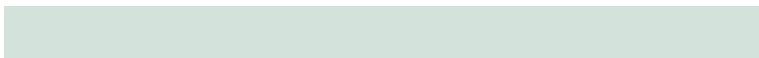
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



73.4564, 0.3030, 0.3151



73.4564, 0.3287, 0.3350



73.4564, 0.3066, 0.3371

# Complementary

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



73.4564, 0.3030, 0.3151



81.1072, 0.3223, 0.3425

# 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.



73.4564, 0.3147, 0.3419



73.4564, 0.3030, 0.3151



73.4564, 0.3275, 0.3406

# Square

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



73.4564, 0.3030, 0.3151



73.4564, 0.3254, 0.3279



73.4564, 0.3224, 0.3432



73.4564, 0.3001, 0.3300



# Rectangle

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



73.4564, 0.3030, 0.3151



73.4564, 0.3161, 0.3193



73.4564, 0.3224, 0.3432



73.4564, 0.3092, 0.3390

# Sweetspot

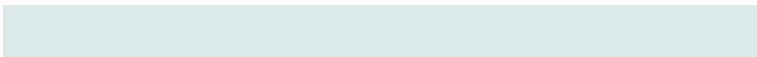
The Sweet Spot groups the original color and five complimentary colors.



73.4595, 0.3030, 0.3151



96.2520, 0.3097, 0.3247



80.5024, 0.3041, 0.3311



20.6412, 0.3099, 0.3249



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.



73.4595, 0.3030, 0.3151



85.5465, 0.3003, 0.3112



73.2909, 0.3068, 0.3132



14.8682, 0.2980, 0.3079



3.9838, 0.1529, 0.0703



0.4150, 0.1583, 0.0898



# Inverse Universe

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



74.1356, 0.3221, 0.3270



86.5788, 0.3248, 0.3264



81.3079, 0.3184, 0.3447



15.0863, 0.3272, 0.3259



9.8950, 0.6228, 0.3205

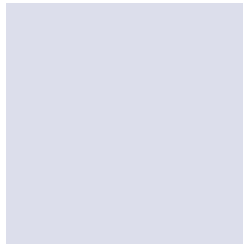


0.7873, 0.5915, 0.3032



# Previews

## White Background



This preview shows how the Yxy color 73.4564, 0.3030, 0.3151 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

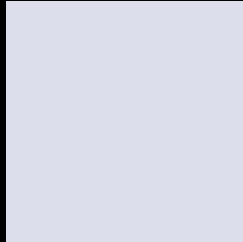
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 73.4564, 0.3030, 0.3151 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

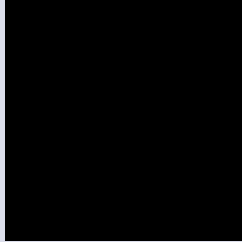
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

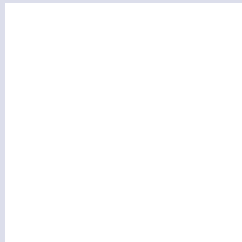
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 73.4564, 0.3030, 0.3151**

## Background



This preview shows how black text looks on a background with the Yxy color 73.4564, 0.3030, 0.3151.

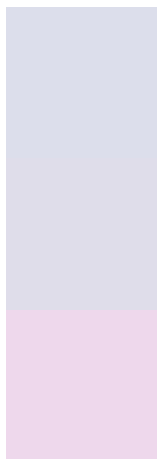


This preview shows how white text looks on a background with the Yxy color 73.4564, 0.3030, 0.3151.

# 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

73.4564, 0.3030, 0.3151

### Protanopia

73.3414, 0.3057, 0.3151

### Deuteranopia

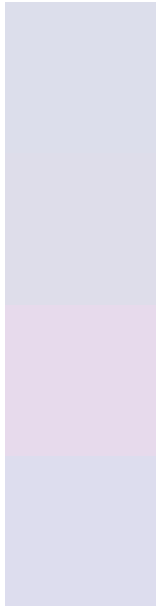
73.3450, 0.3151, 0.3083



## Tritanopia

73.3170, 0.3011, 0.3098

# Trichromacy



## Original Color

73.4564, 0.3030, 0.3151

## Protanomaly

73.1830, 0.3050, 0.3151

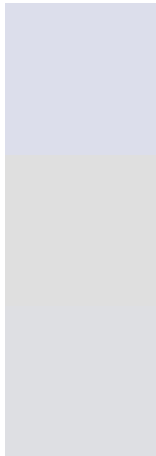
## Deuteranomaly

73.1879, 0.3101, 0.3101

## Tritanomaly

73.2581, 0.3018, 0.3109

# Monochromacy



## Original Color

73.4564, 0.3030, 0.3151

## Achromatopsia

73.7910, 0.3127, 0.3290

## Achromatomaly

73.8510, 0.3094, 0.3247

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 73.4564, 0.3030, 0.3151 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(220, 222, 235)` looks like.

```
.text, #text, p{  
    color:rgb(220, 222, 235)  
}
```

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(220, 222, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 222, 235) }
```

## Border

The CSS property to change the border of an element to Yxy 73.4564, 0.3030, 0.3151 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(220, 222, 235) }
```

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

```
.border{ border-color:rgb(220, 222, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 222, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 222, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 222, 235);  
box-shadow:4px 4px 4px 4px rgb(220, 222,  
235) }
```



# Background

The CSS property to change the background color of an element to Yxy 73.4564, 0.3030, 0.3151 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 222, 235) }
```

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

```
.background{ background-color: rgb(220,  
222, 235) }
```

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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