

# Converting Colors

$Yxy(73.0362, 0.3008, 0.3227)$

Have a look what the booklet for  
Yxy(73.0362, 0.3008, 0.3227)  
contains.

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# Color

**Yxy(73.0215, 0.3006, 0.3224)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D4E0E6
RGB	212, 224, 230
RGB Percent	83%, 88%, 90%
CMY	0.1688, 0.1215, 0.0979
CMYK	0.08, 0.03, 0.00, 0.10
HSL	200°, 27%, 87%
HSV	200°, 8%, 90%
XYZ	68.0839, 73.0215, 85.3880
YIQ	221.0960, -9.0780, -0.6780

# Conversions

## Conversions Part 2

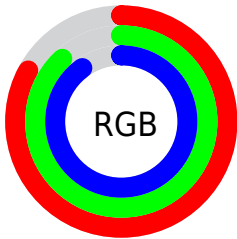
Format	Color
R <sub>Y</sub> B	212, 219, 230
Decimal	13951206
CIE Lab	88.46, -2.87, -4.33
CIE LCh	88, 5.201, 236.450
Yxy	73.0215, 0.3006, 0.3224
Android (android.graphics.Color)	4292141286 (0xFFD4E0E6)
YUV	221.0960, 4.3897, -7.9772
Hunter-Lab	85.4526, -7.3231, 0.5716

# Details

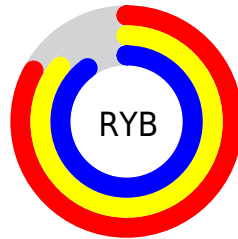
The Yxy color **73.0215, 0.3006, 0.3224** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **71.7082, 0.3256, 0.3355**, and the grayscale version is **72.3493, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **38.6392, 0.2971, 0.3204** is the 20% darker color. If you saturate the color by 10%, you get **65.8232, 0.2851, 0.3132**, and if you desaturate by 10%, it is **80.8982, 0.3160, 0.3307**.

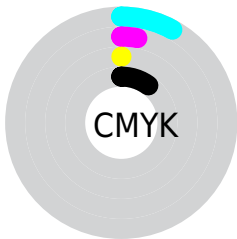
# Distribution



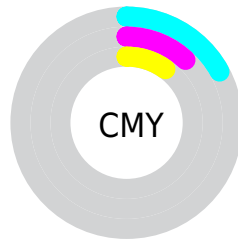
- Red (83%)
- Green (88%)
- Blue (90%)



- Red (83%)
- Yellow (86%)
- Blue (90%)



- Cyan (8%)
- Magenta (3%)
- Yellow (0%)
- Black (10%)



- Cyan (17%)
- Magenta (12%)
- Yellow (10%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 73.0215, 0.3006, 0.3224 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 73.0215, 0.3006, 0.3224 by changing the saturation by 10% instead.



■ 73.0215, 0.3006,  
0.3224

■ 73.0215, 0.3006,  
0.3224

471.0893, 0.3062,  
0.3255

■ 53.9935, 0.2993,  
0.3217

123.5077, 0.3025,  
0.3235

■ 38.5965, 0.2978,  
0.3208

155.7348, 0.3033,  
0.3239

■ 26.4460, 0.2958,  
0.3197

193.1304, 0.3039,  
0.3242

■ 17.1576, 0.2932,  
0.3182

236.0788, 0.3045,  
0.3246

■ 10.3469, 0.2896,  
0.3162

284.9645, 0.3050,  
0.3248

■ 5.6296, 0.2845,  
0.3132

340.1719, 0.3054,

■ 2.6212, 0.2765,

0.3251

402.0854, 0.3058,  
0.3253

0.3085

0.9373, 0.2623,  
0.2999

0.0000, 0.0000,  
0.0000

73.0215, 0.3006,  
0.3224

73.0215, 0.3006,  
0.3224

65.8232, 0.2851,  
0.3132

80.8982, 0.3160,  
0.3307

59.2713, 0.2697,  
0.3031

88.8990, 0.3290,  
0.3382

53.3443, 0.2547,  
0.2922

93.4857, 0.3282,  
0.3456

48.0161, 0.2406,  
0.2805

98.2646, 0.3274,  
0.3529

■ 43.2583, 0.2277,  
0.2682

■ 98.4947, 0.3274,  
0.3532

■ 39.0394, 0.2163,  
0.2556

■ 35.3240, 0.2068,  
0.2427

■ 32.0711, 0.1994,  
0.2299

■ 29.2249, 0.1940,  
0.2173

# Harmonies

## Analogous

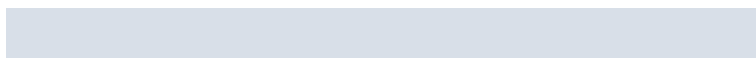
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



73.0215, 0.3018, 0.3276



73.0215, 0.3006, 0.3224



73.0215, 0.3026, 0.3191

# Triad

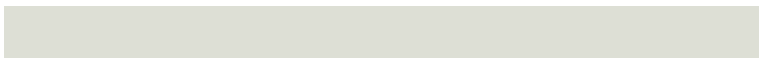
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



73.0215, 0.3006, 0.3224



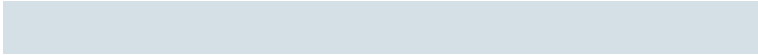
73.0215, 0.3196, 0.3248



73.0215, 0.3181, 0.3399

# Complementary

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



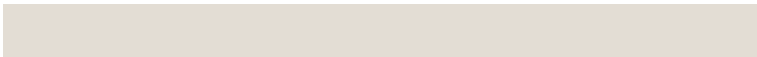
73.0215, 0.3006, 0.3224



71.7082, 0.3256, 0.3355

# 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.



73.0215, 0.3229, 0.3390



73.0215, 0.3006, 0.3224



73.0215, 0.3238, 0.3303

# Square

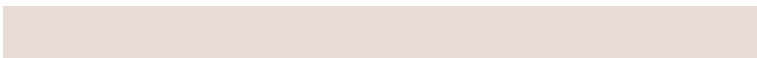
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



73.0215, 0.3006, 0.3224



73.0215, 0.3135, 0.3205



73.0215, 0.3250, 0.3355



73.0215, 0.3118, 0.3377



# Rectangle

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



73.0215, 0.3006, 0.3224



73.0215, 0.3055, 0.3183



73.0215, 0.3250, 0.3355



73.0215, 0.3199, 0.3399

# Sweetspot

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



73.0246, 0.3006, 0.3224



97.9672, 0.3096, 0.3274



75.6453, 0.3082, 0.3426



20.9904, 0.3098, 0.3274



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

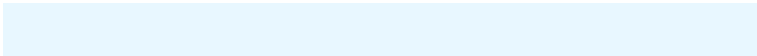


# Same Dimension

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



73.0246, 0.3006, 0.3224



91.1269, 0.2987, 0.3214



68.4456, 0.3006, 0.3127



15.4857, 0.2981, 0.3210



16.4490, 0.1935, 0.2166



1.3845, 0.1986, 0.2350



# Inverse Universe

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



69.2772, 0.3177, 0.3161



85.7391, 0.3186, 0.3141



76.3614, 0.3247, 0.3448



14.5294, 0.3189, 0.3134



10.8582, 0.4269, 0.2125

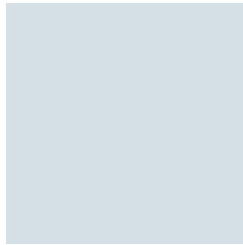


0.8194, 0.4075, 0.2018



# Previews

## White Background



This preview shows how the Yxy color 73.0215, 0.3006, 0.3224 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

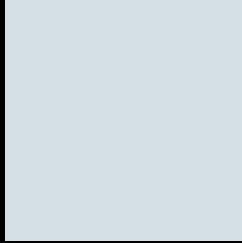
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 73.0215, 0.3006, 0.3224 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

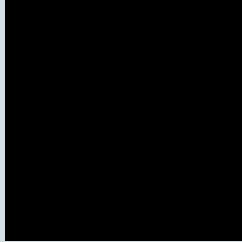
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

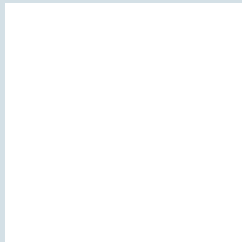
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 73.0215, 0.3006, 0.3224**

## Background



This preview shows how black text looks on a background with the Yxy color 73.0215, 0.3006, 0.3224.

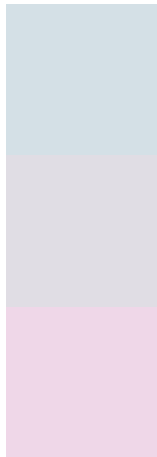


This preview shows how white text looks on a background with the Yxy color 73.0215, 0.3006, 0.3224.

# 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

73.0215, 0.3006, 0.3224

### Protanopia

73.1616, 0.3102, 0.3215

### Deuteranopia

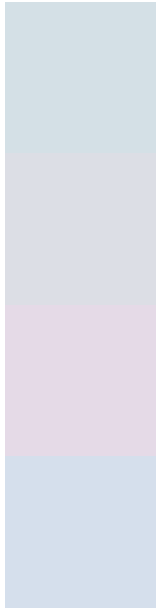
72.7778, 0.3186, 0.3114



## Tritanopia

72.8300, 0.2958, 0.3096

# Trichromacy



## Original Color

73.0215, 0.3006, 0.3224

## Protanomaly

73.1153, 0.3068, 0.3214

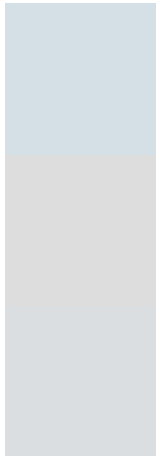
## Deuteranomaly

72.5703, 0.3119, 0.3152

## Tritanomaly

72.9776, 0.2976, 0.3149

# Monochromacy



## Original Color

73.0215, 0.3006, 0.3224

## Achromatopsia

72.3055, 0.3127, 0.3290

## Achromatomaly

72.5298, 0.3086, 0.3268

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 73.0215, 0.3006, 0.3224 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, 224, 230)` looks like.

```
.text, #text, p{  
    color:rgb(212, 224, 230)  
}
```

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, 224, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 224, 230) }
```

## Border

The CSS property to change the border of an element to Yxy 73.0215, 0.3006, 0.3224 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, 224, 230) }
```

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

```
.border{ border-color:rgb(212, 224, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 224, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 224, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 224, 230);  
box-shadow:4px 4px 4px 4px rgb(212, 224,  
230) }
```



# Background

The CSS property to change the background color of an element to Yxy 73.0215, 0.3006, 0.3224 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 224, 230) }
```

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

```
.background{ background-color: rgb(212,  
224, 230) }
```

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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