

# Converting Colors

$Yxy(73.0907, 0.3062, 0.3387)$

Have a look what the booklet for  
Yxy(73.0907, 0.3062, 0.3387)  
contains.

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# Color

**Yxy(73.0100, 0.3061, 0.3379)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D1E2DA
RGB	209, 226, 218
RGB Percent	82%, 89%, 85%
CMY	0.1805, 0.1137, 0.1452
CMYK	0.08, 0.00, 0.04, 0.11
HSL	152°, 23%, 85%
HSV	152°, 8%, 89%
XYZ	66.1390, 73.0100, 76.9209
YIQ	220.0050, -7.5640, -6.0920

# Conversions

## Conversions Part 2

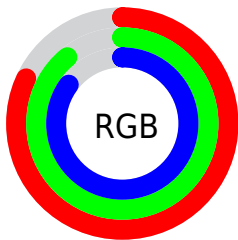
Format	Color
R <sub>Y</sub> B	209, 220, 226
Decimal	13755098
CIE Lab	88.45, -7.15, 1.97
CIE LCh	88, 7.417, 164.633
Yxy	73.0100, 0.3061, 0.3379
Android (android.graphics.Color)	4291945178 (0xFFD1E2DA)
YUV	220.0050, -0.9885, -9.6514
Hunter-Lab	85.4459, -11.3632, 6.4375

# Details

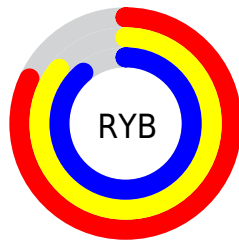
The Yxy color **73.0100, 0.3061, 0.3379** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **66.7727, 0.3199, 0.3203**, and the grayscale version is **71.5837, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **38.7387, 0.3050, 0.3406** is the 20% darker color. If you saturate the color by 10%, you get **69.4071, 0.2975, 0.3509**, and if you desaturate by 10%, it is **77.1227, 0.3149, 0.3263**.

# Distribution



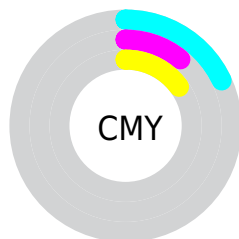
- Red (82%)
- Green (89%)
- Blue (85%)



- Red (82%)
- Yellow (86%)
- Blue (89%)



- Cyan (8%)
- Magenta (0%)
- Yellow (4%)
- Black (11%)



- Cyan (18%)
- Magenta (11%)
- Yellow (15%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 73.0100, 0.3061, 0.3379 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 73.0100, 0.3061, 0.3379 by changing the saturation by 10% instead.



73.0100, 0.3061,  
0.3379

73.0100, 0.3061,  
0.3379

471.0495, 0.3092,  
0.3338

53.9841, 0.3054,  
0.3389

123.4914, 0.3072,  
0.3365

38.5890, 0.3045,  
0.3400

155.7157, 0.3076,  
0.3359

26.4401, 0.3034,  
0.3415

193.1084, 0.3079,  
0.3354

17.1532, 0.3019,  
0.3435

236.0537, 0.3083,  
0.3350

10.3438, 0.2999,  
0.3463

284.9360, 0.3085,  
0.3346

5.6275, 0.2970,  
0.3502

340.1398, 0.3088,

2.6199, 0.2923,

0.3343

0.3566

402.0495, 0.3090,  
0.3340

0.9367, 0.2822,  
0.3698

0.0000, 0.0000,  
0.0000

73.0100, 0.3061,  
0.3379

73.0100, 0.3061,  
0.3379

69.4071, 0.2975,  
0.3509

77.1227, 0.3149,  
0.3263

66.2843, 0.2894,  
0.3653

81.7549, 0.3237,  
0.3159

63.6231, 0.2820,  
0.3811

82.5594, 0.3173,  
0.3057

61.4002, 0.2756,  
0.3980

82.8798, 0.3140,  
0.3009

■ 59.5901, 0.2707,  
0.4159

■ 58.1646, 0.2675,  
0.4344

■ 57.0917, 0.2662,  
0.4531

■ 56.3342, 0.2669,  
0.4714

■ 55.8418, 0.2696,  
0.4890

# Harmonies

## Analogous

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



73.0100, 0.3150, 0.3432



73.0100, 0.3061, 0.3379



73.0100, 0.2990, 0.3302

# Triad

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



73.0100, 0.3061, 0.3379



73.0100, 0.3020, 0.3138



73.0100, 0.3302, 0.3354

# Complementary

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



73.0100, 0.3061, 0.3379



66.7727, 0.3199, 0.3203

# 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.



73.0100, 0.3266, 0.3277



73.0100, 0.3061, 0.3379



73.0100, 0.3102, 0.3153

# Square

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



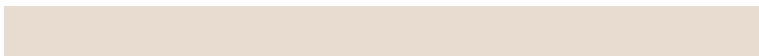
73.0100, 0.3061, 0.3379



73.0100, 0.2967, 0.3163



73.0100, 0.3192, 0.3204



73.0100, 0.3290, 0.3416



# Rectangle

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



73.0100, 0.3061, 0.3379



73.0100, 0.2963, 0.3247



73.0100, 0.3192, 0.3204



73.0100, 0.3295, 0.3329

# Sweetspot

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



73.0131, 0.3061, 0.3379



98.8916, 0.3109, 0.3313



73.7866, 0.3176, 0.3478



21.1785, 0.3110, 0.3312



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.



73.0131, 0.3061, 0.3379



95.2265, 0.3048, 0.3398



73.2896, 0.3011, 0.3287



15.4577, 0.3044, 0.3403



31.8207, 0.2696, 0.4905



2.2237, 0.2621, 0.4635



# Inverse Universe

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



66.7727, 0.3199, 0.3203



85.4649, 0.3214, 0.3184



66.5041, 0.3256, 0.3294



13.8076, 0.3218, 0.3180



9.8486, 0.5071, 0.2567



0.7006, 0.4710, 0.2368



# Previews

## White Background



This preview shows how the Yxy color 73.0100, 0.3061, 0.3379 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

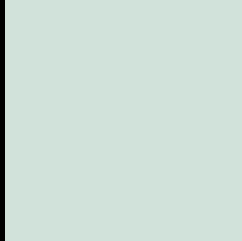
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 73.0100, 0.3061, 0.3379 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

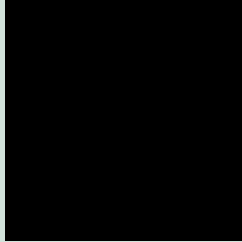
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

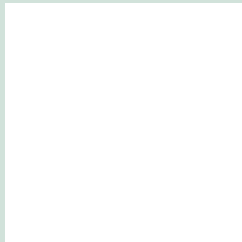
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 73.0100, 0.3061, 0.3379**

## **Background**



This preview shows how black text looks on a background with the Yxy color 73.0100, 0.3061, 0.3379.



This preview shows how white text looks on a background with the Yxy color 73.0100, 0.3061, 0.3379.

# 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





## Tritanopia

73.2128, 0.2951, 0.3107

# Trichromacy



## Original Color

73.0100, 0.3061, 0.3379

## Protanomaly

72.9489, 0.3152, 0.3366

## Deuteranomaly

72.7664, 0.3214, 0.3290

## Tritanomaly

73.1346, 0.2994, 0.3203

# Monochromacy



## Original Color

73.0100, 0.3061, 0.3379

## Achromatopsia

71.5694, 0.3127, 0.3290

## Achromatomaly

71.9560, 0.3104, 0.3323

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 73.0100, 0.3061, 0.3379 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(209, 226, 218)` looks like.

```
.text, #text, p{  
    color:rgb(209, 226, 218)  
}
```

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(209, 226, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 226, 218) }
```

## Border

The CSS property to change the border of an element to Yxy 73.0100, 0.3061, 0.3379 is called "border". The border property can be set on classes, ids or directly on the HTML element.

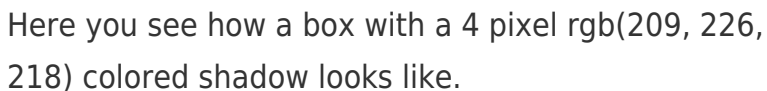
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(209, 226, 218) }
```

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

```
.border{ border-color:rgb(209, 226, 218) }
```

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



Here you see how a box with a 4 pixel `rgb(209, 226, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(209, 226, 218); -webkit-box-shadow:4px 4px 4px 4px rgb(209, 226, 218); box-shadow:4px 4px 4px 4px rgb(209, 226, 218) }
```



# Background

The CSS property to change the background color of an element to Yxy 73.0100, 0.3061, 0.3379 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 226, 218) }
```

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

```
.background{ background-color: rgb(209,  
226, 218) }
```

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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