

# Converting Colors

$Yxy(72.0653, 0.2985, 0.3055)$

Have a look what the booklet for  
Yxy(72.0653, 0.2985, 0.3055)  
contains.

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# Color

**Yxy(72.0740, 0.2985, 0.3055)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	DBDBF1
RGB	219, 219, 241
RGB Percent	86%, 86%, 95%
CMY	0.1412, 0.1412, 0.0549
CMYK	0.09, 0.09, 0.00, 0.05
HSL	240°, 44%, 90%
HSV	240°, 9%, 95%
XYZ	70.4225, 72.0740, 93.4249
YIQ	221.5080, -7.0620, 6.8420

# Conversions

## Conversions Part 2

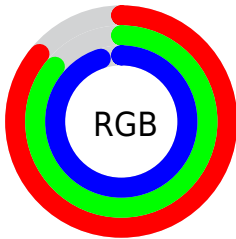
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	219, 219, 241
Decimal	14408689
CIE Lab	88.00, 4.15, -10.73
CIE LCh	88, 11.504, 291.126
Yxy	72.0740, 0.2985, 0.3055
Android (android.graphics.Color)	4292598769 (0xFFDBDBF1)
YUV	221.5080, 9.6096, -2.1995
Hunter-Lab	84.8964, -0.5009, -5.8186

# Details

The Yxy color `72.0740, 0.2985, 0.3055` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `86.7297, 0.3263, 0.3515`, and the grayscale version is `72.6188, 0.3127, 0.3290`.

A 20% lighter version of the original color is `100.0000, 0.3127, 0.3290`, and `37.9462, 0.2951, 0.2999` is the 20% darker color. If you saturate the color by 10%, you get `56.9297, 0.2809, 0.2764`, and if you desaturate by 10%, it is `89.5853, 0.3140, 0.3311`.

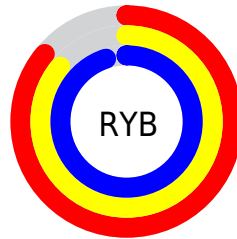
# Distribution



Red (86%)

Green (86%)

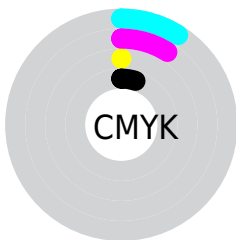
Blue (95%)



Red (86%)

Yellow (86%)

Blue (95%)

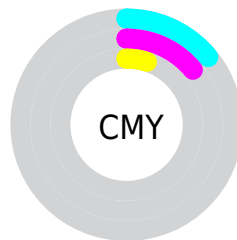


Cyan (9%)

Magenta (9%)

Yellow (0%)

Black (5%)



Cyan (14%)

Magenta (14%)

Yellow (5%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 72.0740, 0.2985, 0.3055 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 72.0740, 0.2985, 0.3055 by changing the saturation by 10% instead.



■ 72.0740, 0.2985,  
0.3055

■ 72.0740, 0.2985,  
0.3055

467.7991, 0.3051,  
0.3163

■ 53.2191, 0.2970,  
0.3031

122.1617, 0.3008,  
0.3092

■ 37.9777, 0.2951,  
0.3001

154.1634, 0.3017,  
0.3107

■ 25.9654, 0.2927,  
0.2963

191.3161, 0.3025,  
0.3119

■ 16.7978, 0.2896,  
0.2913

234.0042, 0.3031,  
0.3130

■ 10.0904, 0.2853,  
0.2847

282.6122, 0.3037,  
0.3140

■ 5.4589, 0.2791,  
0.2752

337.5244, 0.3042,

■ 2.5190, 0.2694,

0.3148

0.2607

399.1253, 0.3047,  
0.3156

0.8861, 0.2520,  
0.2356

0.0000, 0.0000,  
0.0000

72.0740, 0.2985,  
0.3055

72.0740, 0.2985,  
0.3055

56.9297, 0.2809,  
0.2764

89.5853, 0.3140,  
0.3311

44.0423, 0.2613,  
0.2441

99.1314, 0.3209,  
0.3425

33.3065, 0.2403,  
0.2092

24.6052, 0.2185,  
0.1733

■ 17.8102, 0.1975,  
0.1386

■ 12.7784, 0.1789,  
0.1078

■ 9.3471, 0.1643,  
0.0836

■ 7.3231, 0.1548,  
0.0680

■ 6.4115, 0.1503,  
0.0605

# Harmonies

## Analogous

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



72.0740, 0.2891, 0.3078



72.0740, 0.2985, 0.3055



72.0740, 0.3118, 0.3092

# Triad

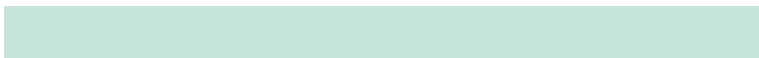
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



72.0740, 0.2985, 0.3055



72.0740, 0.3402, 0.3412



72.0740, 0.2996, 0.3405

# Complementary

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



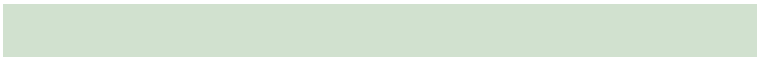
72.0740, 0.2985, 0.3055



86.7297, 0.3263, 0.3515

# 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.



72.0740, 0.3131, 0.3500



72.0740, 0.2985, 0.3055



72.0740, 0.3367, 0.3501

# Square

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



72.0740, 0.2985, 0.3055



72.0740, 0.3362, 0.3294



72.0740, 0.3267, 0.3535



72.0740, 0.2898, 0.3279



# Rectangle

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



72.0740, 0.2985, 0.3055



72.0740, 0.3213, 0.3145



72.0740, 0.3267, 0.3535



72.0740, 0.3039, 0.3442

# Sweetspot

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



72.0770, 0.2985, 0.3055



93.7947, 0.3082, 0.3216



84.3054, 0.2988, 0.3293



19.7300, 0.3070, 0.3195



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.



72.0770, 0.2985, 0.3055



78.4570, 0.2953, 0.3002



73.7775, 0.3058, 0.3060



15.2294, 0.2979, 0.3046



3.4448, 0.1500, 0.0600



0.2868, 0.1500, 0.0601



# Inverse Universe

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



74.4800, 0.3287, 0.3290



81.7145, 0.3324, 0.3291



84.9148, 0.3191, 0.3520



15.7589, 0.3293, 0.3290



10.1411, 0.6401, 0.3300

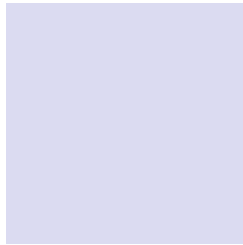


0.8437, 0.6400, 0.3299



# Previews

## White Background



This preview shows how the Yxy color 72.0740, 0.2985, 0.3055 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

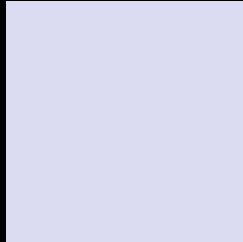
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 72.0740, 0.2985, 0.3055 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

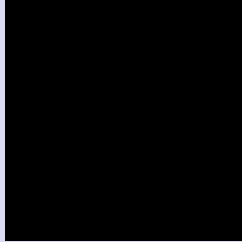
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 72.0740, 0.2985, 0.3055**

## **Background**



This preview shows how black text looks on a background with the Yxy color 72.0740, 0.2985, 0.3055.

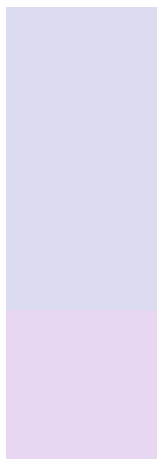


This preview shows how white text looks on a background with the Yxy color 72.0740, 0.2985, 0.3055.

# 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

72.0740, 0.2985, 0.3055

### Protanopia

72.0740, 0.2985, 0.3055

### Deuteranopia

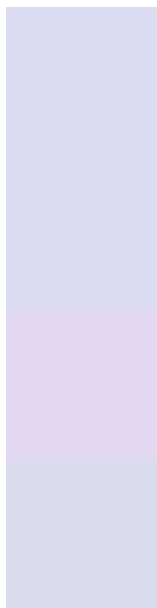
72.1675, 0.3069, 0.3009



## Tritanopia

72.2063, 0.3003, 0.3107

# Trichromacy



## Original Color

72.0740, 0.2985, 0.3055

## Protanomaly

72.0740, 0.2985, 0.3055

## Deuteranomaly

71.8534, 0.3034, 0.3017

## Tritanomaly

72.2649, 0.2997, 0.3097

# Monochromacy



## Original Color

72.0740, 0.2985, 0.3055

## Achromatopsia

73.0461, 0.3127, 0.3290

## Achromatomaly

72.7422, 0.3075, 0.3204

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 72.0740, 0.2985, 0.3055 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(219, 219, 241)` looks like.

```
.text, #text, p{  
    color:rgb(219, 219, 241)  
}
```

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(219, 219, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 219, 241) }
```

## Border

The CSS property to change the border of an element to Yxy 72.0740, 0.2985, 0.3055 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(219, 219, 241) }
```

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

```
.border{ border-color:rgb(219, 219, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 219, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 219, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 219, 241);  
box-shadow:4px 4px 4px 4px rgb(219, 219,  
241) }
```



# Background

The CSS property to change the background color of an element to Yxy 72.0740, 0.2985, 0.3055 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 219, 241) }
```

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

```
.background{ background-color: rgb(219,  
219, 241) }
```

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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