

# Converting Colors

$Yxy(72.2634, 0.3052, 0.3208)$

Have a look what the booklet for  
Yxy(72.2634, 0.3052, 0.3208)  
contains.

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# Color

**Yxy(72.1218, 0.3047, 0.3203)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D9DDE5
RGB	217, 221, 229
RGB Percent	85%, 87%, 90%
CMY	0.1491, 0.1333, 0.1019
CMYK	0.05, 0.03, 0.00, 0.10
HSL	220°, 19%, 87%
HSV	220°, 5%, 90%
XYZ	68.6092, 72.1218, 84.4386
YIQ	220.7160, -4.9520, 1.6400

# Conversions

## Conversions Part 2

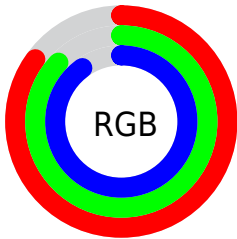
Format	Color
R <sub>Y</sub> B	217, 220, 229
Decimal	14278117
CIE Lab	88.03, 0.13, -4.39
CIE LCh	88, 4.393, 271.693
Yxy	72.1218, 0.3047, 0.3203
Android (android.graphics.Color)	4292468197 (0xFFD9DDE5)
YUV	220.7160, 4.0840, -3.2589
Hunter-Lab	84.9246, -4.4107, 0.4965

# Details

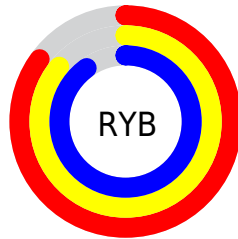
The Yxy color **72.1218, 0.3047, 0.3203** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **75.5016, 0.3208, 0.3376**, and the grayscale version is **72.0698, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **38.0098, 0.3023, 0.3176** is the 20% darker color. If you saturate the color by 10%, you get **61.1819, 0.2886, 0.3022**, and if you desaturate by 10%, it is **84.2829, 0.3197, 0.3364**.

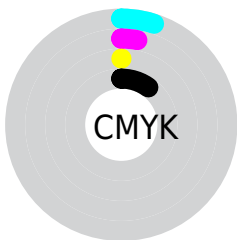
# Distribution



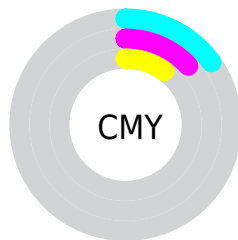
- Red (85%)
- Green (87%)
- Blue (90%)



- Red (85%)
- Yellow (86%)
- Blue (90%)



- Cyan (5%)
- Magenta (3%)
- Yellow (0%)
- Black (10%)



- Cyan (15%)
- Magenta (13%)
- Yellow (10%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 72.1218, 0.3047, 0.3203 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 72.1218, 0.3047, 0.3203 by changing the saturation by 10% instead.



■ 72.1218, 0.3047,  
0.3203

■ 72.1218, 0.3047,  
0.3203

467.9654, 0.3084,  
0.3243

■ 53.2582, 0.3038,  
0.3194

122.2297, 0.3060,  
0.3217

■ 38.0089, 0.3028,  
0.3182

154.2427, 0.3065,  
0.3222

■ 25.9896, 0.3015,  
0.3168

191.4077, 0.3069,  
0.3227

■ 16.8159, 0.2997,  
0.3149

234.1090, 0.3073,  
0.3231

■ 10.1033, 0.2973,  
0.3123

282.7311, 0.3076,  
0.3235

■ 5.4675, 0.2938,  
0.3085

337.6582, 0.3079,

■ 2.5241, 0.2883,

0.3238

399.2749, 0.3082,  
0.3241

0.3026

0.8887, 0.2784,  
0.2918

0.0000, 0.0000,  
0.0000

72.1218, 0.3047,  
0.3203

72.1218, 0.3047,  
0.3203

61.1819, 0.2886,  
0.3022

84.2829, 0.3197,  
0.3364

51.4148, 0.2715,  
0.2819

96.1888, 0.3283,  
0.3508

42.7822, 0.2537,  
0.2596

98.4376, 0.3280,  
0.3542

35.2402, 0.2357,  
0.2356

■ 28.7418, 0.2180,  
0.2103

■ 23.2361, 0.2015,  
0.1846

■ 18.6674, 0.1868,  
0.1594

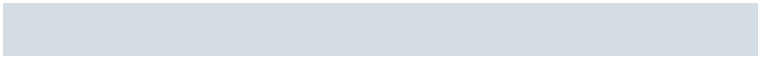
■ 14.9731, 0.1749,  
0.1358

■ 12.0807, 0.1661,  
0.1150

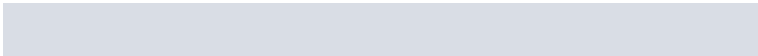
# Harmonies

## Analogous

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



72.1218, 0.3025, 0.3228



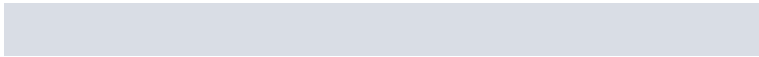
72.1218, 0.3047, 0.3203



72.1218, 0.3090, 0.3201

# Triad

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



72.1218, 0.3047, 0.3203



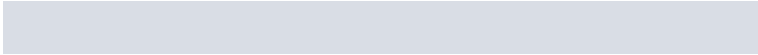
72.1218, 0.3225, 0.3309



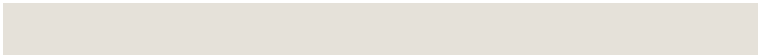
72.1218, 0.3110, 0.3359

# Complementary

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



72.1218, 0.3047, 0.3203



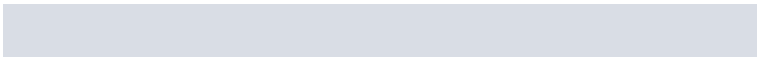
75.5016, 0.3208, 0.3376

# Split Complementary

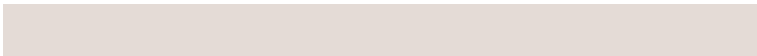
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



72.1218, 0.3164, 0.3381



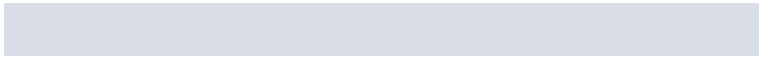
72.1218, 0.3047, 0.3203



72.1218, 0.3230, 0.3352

# Square

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



72.1218, 0.3047, 0.3203



72.1218, 0.3193, 0.3262



72.1218, 0.3208, 0.3378

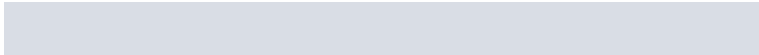


72.1218, 0.3062, 0.3318



# Rectangle

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



72.1218, 0.3047, 0.3203



72.1218, 0.3125, 0.3214



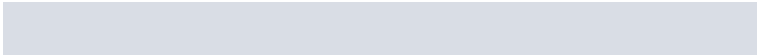
72.1218, 0.3208, 0.3378



72.1218, 0.3128, 0.3368

# Sweetspot

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



72.1249, 0.3047, 0.3203



96.9027, 0.3097, 0.3257



76.2160, 0.3072, 0.3335



20.7737, 0.3098, 0.3259



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

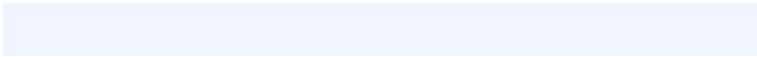


# Same Dimension

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



72.1249, 0.3047, 0.3203



90.8978, 0.3035, 0.3190



70.2955, 0.3060, 0.3159



15.3661, 0.3026, 0.3180



6.4565, 0.1636, 0.1089



0.6435, 0.1717, 0.1382



# Inverse Universe

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



71.4926, 0.3187, 0.3247



89.9862, 0.3197, 0.3240



77.4156, 0.3192, 0.3418



15.1975, 0.3204, 0.3236



9.8495, 0.5626, 0.2873

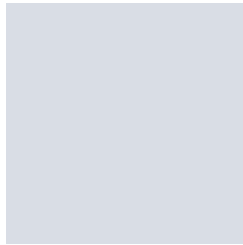


0.7446, 0.5215, 0.2647



# Previews

## White Background



This preview shows how the Yxy color 72.1218, 0.3047, 0.3203 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

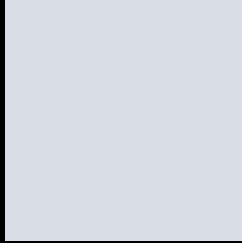
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 72.1218, 0.3047, 0.3203 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

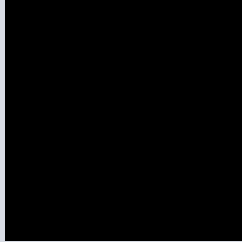
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

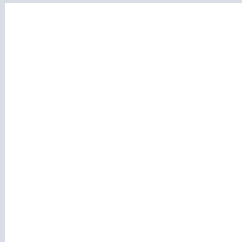
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 72.1218, 0.3047, 0.3203**

## Background



This preview shows how black text looks on a background with the Yxy color 72.1218, 0.3047, 0.3203.

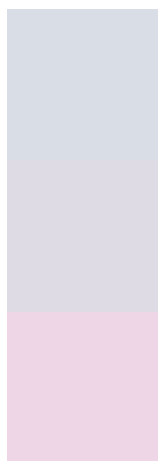


This preview shows how white text looks on a background with the Yxy color 72.1218, 0.3047, 0.3203.

# 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

72.1218, 0.3047, 0.3203

### Protanopia

71.7941, 0.3089, 0.3193

### Deuteranopia

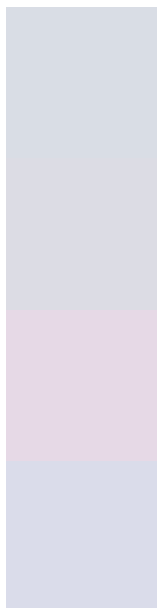
71.9834, 0.3193, 0.3124



## Tritanopia

72.2063, 0.3003, 0.3107

# Trichromacy



## Original Color

72.1218, 0.3047, 0.3203

## Protanomaly

72.0035, 0.3075, 0.3203

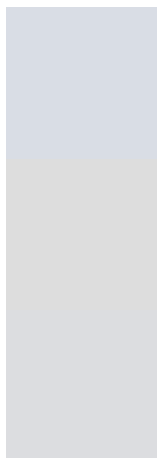
## Deuteranomaly

72.1619, 0.3134, 0.3153

## Tritanomaly

72.0323, 0.3022, 0.3139

# Monochromacy



## Original Color

72.1218, 0.3047, 0.3203

## Achromatopsia

72.3055, 0.3127, 0.3290

## Achromatomaly

72.3104, 0.3100, 0.3257

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 72.1218, 0.3047, 0.3203 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(217, 221, 229)` looks like.

```
.text, #text, p{  
    color:rgb(217, 221, 229)  
}
```

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(217, 221, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 221, 229) }
```

## Border

The CSS property to change the border of an element to Yxy 72.1218, 0.3047, 0.3203 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(217, 221, 229) }
```

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

```
.border{ border-color:rgb(217, 221, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 221, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 221, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 221, 229);  
box-shadow:4px 4px 4px 4px rgb(217, 221,  
229) }
```



# Background

The CSS property to change the background color of an element to Yxy 72.1218, 0.3047, 0.3203 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 221, 229) }
```

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

```
.background{ background-color: rgb(217,  
221, 229) }
```

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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