

# Converting Colors

$Y_{xy}(72.0034, 0.3089, 0.3259)$

Have a look what the booklet for  
Yxy(72.0034, 0.3089, 0.3259)  
contains.

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# Color

**Yxy(72.0001, 0.3086, 0.3257)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	DADDE0
RGB	218, 221, 224
RGB Percent	85%, 87%, 88%
CMY	0.1452, 0.1333, 0.1215
CMYK	0.03, 0.01, 0.00, 0.12
HSL	210°, 9%, 87%
HSV	210°, 3%, 88%
XYZ	68.2199, 72.0001, 80.8426
YIQ	220.4450, -2.7510, 0.2970

# Conversions

## Conversions Part 2

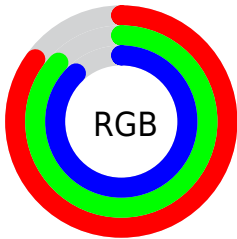
Format	Color
RYB	218, 220, 224
Decimal	14343648
CIELab	87.97, -0.47, -1.85
CIELCh	88, 1.904, 255.783
Yxy	72.0001, 0.3086, 0.3257
Android (android.graphics.Color)	4292533728 (0xFFDADDE0)
YUV	220.4450, 1.7526, -2.1443
Hunter-Lab	84.8529, -4.9823, 2.9091

# Details

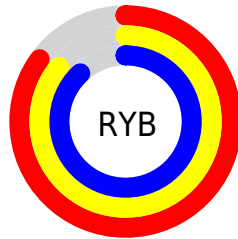
The Yxy color `72.0001, 0.3086, 0.3257` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `72.6172, 0.3169, 0.3323`, and the grayscale version is `71.8859, 0.3127, 0.3290`.

A 20% lighter version of the original color is `100.0000, 0.3127, 0.3290`, and `37.9235, 0.3074, 0.3247` is the 20% darker color. If you saturate the color by 10%, you get `63.0854, 0.2930, 0.3126`, and if you desaturate by 10%, it is `81.7789, 0.3235, 0.3374`.

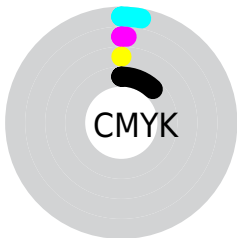
# Distribution



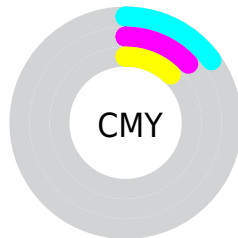
- Red (85%)
- Green (87%)
- Blue (88%)



- Red (85%)
- Yellow (86%)
- Blue (88%)



- Cyan (3%)
- Magenta (1%)
- Yellow (0%)
- Black (12%)



- Cyan (15%)
- Magenta (13%)
- Yellow (12%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 72.0001, 0.3086, 0.3257 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 72.0001, 0.3086, 0.3257 by changing the saturation by 10% instead.



■ 72.0001, 0.3086,  
0.3257

■ 72.0001, 0.3086,  
0.3257

467.5419, 0.3105,  
0.3272

■ 53.1588, 0.3082,  
0.3253

122.0567, 0.3093,  
0.3262

■ 37.9295, 0.3076,  
0.3249

154.0407, 0.3095,  
0.3264

■ 25.9280, 0.3069,  
0.3244

191.1744, 0.3097,  
0.3266

■ 16.7698, 0.3060,  
0.3236

233.8422, 0.3099,  
0.3268

■ 10.0705, 0.3048,  
0.3226

282.4284, 0.3101,  
0.3269

■ 5.4457, 0.3030,  
0.3212

337.3175, 0.3103,

■ 2.5111, 0.3001,

0.3270

0.3188

398.8939, 0.3104,  
0.3271

0.8822, 0.2949,  
0.3146

0.0000, 0.0000,  
0.0000

72.0001, 0.3086,  
0.3257

72.0001, 0.3086,  
0.3257

63.0854, 0.2930,  
0.3126

81.7789, 0.3235,  
0.3374

54.9994, 0.2768,  
0.2980

90.9331, 0.3324,  
0.3480

47.7177, 0.2604,  
0.2820

97.8232, 0.3310,  
0.3586

41.2108, 0.2441,  
0.2646

98.1634, 0.3309,  
0.3591

■ 35.4473, 0.2285,  
0.2462

■ 30.3932, 0.2139,  
0.2269

■ 26.0110, 0.2009,  
0.2073

■ 22.2586, 0.1901,  
0.1880

■ 19.0865, 0.1816,  
0.1693

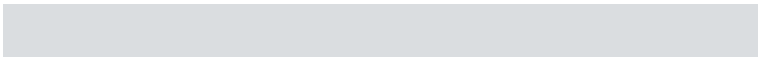
# Harmonies

## Analogous

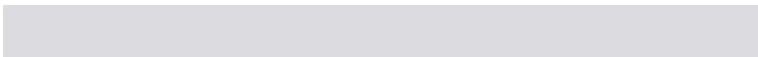
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



72.0001, 0.3083, 0.3272



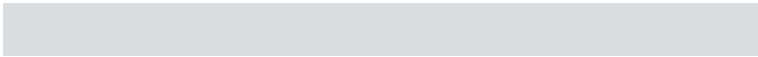
72.0001, 0.3086, 0.3257



72.0001, 0.3100, 0.3251

# Triad

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



72.0001, 0.3086, 0.3257



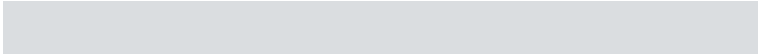
72.0001, 0.3163, 0.3288



72.0001, 0.3132, 0.3326

# Complementary

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



72.0001, 0.3086, 0.3257



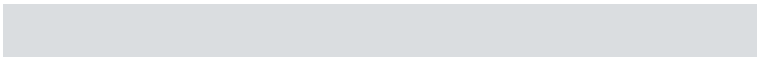
72.6172, 0.3169, 0.3323

# 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.



72.0001, 0.3154, 0.3330



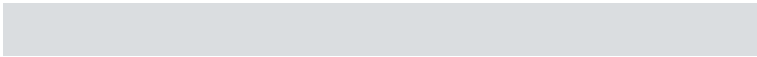
72.0001, 0.3086, 0.3257



72.0001, 0.3172, 0.3308

# Square

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



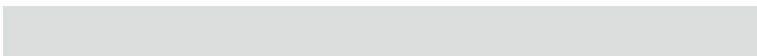
72.0001, 0.3086, 0.3257



72.0001, 0.3145, 0.3268



72.0001, 0.3169, 0.3323

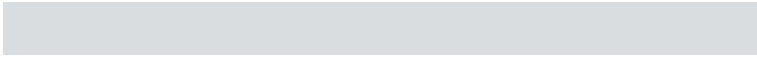


72.0001, 0.3109, 0.3312



# Rectangle

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



72.0001, 0.3086, 0.3257



72.0001, 0.3114, 0.3252



72.0001, 0.3169, 0.3323



72.0001, 0.3140, 0.3329

# Sweetspot

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



72.0032, 0.3086, 0.3257



98.7124, 0.3112, 0.3278



73.4425, 0.3105, 0.3324



21.1421, 0.3113, 0.3278



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

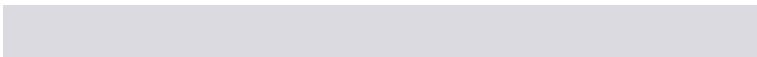
The Same Dimension uses a secret algorithm to generate beautiful new colors.



72.0032, 0.3086, 0.3257



96.1723, 0.3081, 0.3253



70.4624, 0.3087, 0.3225



15.4890, 0.3070, 0.3244



10.1728, 0.1775, 0.1591



0.8842, 0.1853, 0.1869



# Inverse Universe

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



71.1992, 0.3150, 0.3257



94.9730, 0.3153, 0.3253



74.1850, 0.3167, 0.3354



15.2474, 0.3160, 0.3244



9.9350, 0.4942, 0.2496

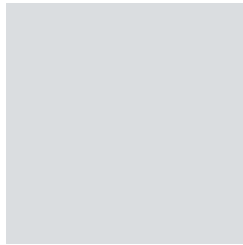


0.7067, 0.4603, 0.2310



# Previews

## White Background



This preview shows how the Yxy color 72.0001, 0.3086, 0.3257 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

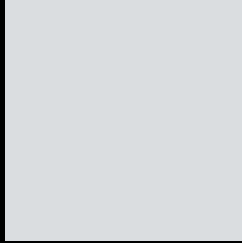
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 72.0001, 0.3086, 0.3257 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

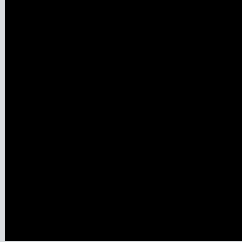
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

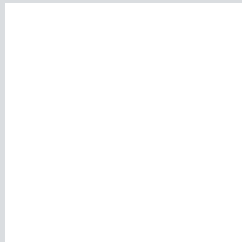
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 72.0001, 0.3086, 0.3257**

## **Background**



This preview shows how black text looks on a background with the Yxy color 72.0001, 0.3086, 0.3257.

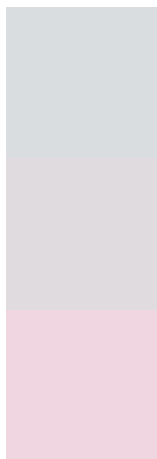


This preview shows how white text looks on a background with the Yxy color 72.0001, 0.3086, 0.3257.

# 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

72.0001, 0.3086, 0.3257

### Protanopia

71.8380, 0.3136, 0.3247

### Deuteranopia

71.8801, 0.3235, 0.3175



## Tritanopia

71.9348, 0.3024, 0.3108

# Trichromacy



## Original Color

72.0001, 0.3086, 0.3257

## Protanomaly

72.0437, 0.3122, 0.3258

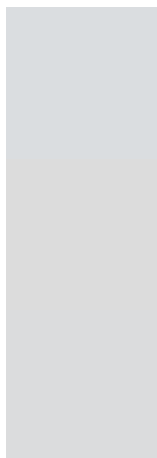
## Deuteranomaly

72.0509, 0.3174, 0.3205

## Tritanomaly

72.0727, 0.3042, 0.3160

# Monochromacy



## Original Color

72.0001, 0.3086, 0.3257

## Achromatopsia

71.5694, 0.3127, 0.3290

## Achromatomaly

71.4669, 0.3113, 0.3279

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 72.0001, 0.3086, 0.3257 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(218, 221, 224)` looks like.

```
.text, #text, p{  
    color:rgb(218, 221, 224)  
}
```

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(218, 221, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 221, 224) }
```

## Border

The CSS property to change the border of an element to Yxy 72.0001, 0.3086, 0.3257 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(218, 221, 224) }
```

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

```
.border{ border-color:rgb(218, 221, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 221, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 221, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 221, 224);  
box-shadow:4px 4px 4px 4px rgb(218, 221,  
224) }
```



# Background

The CSS property to change the background color of an element to  $\text{Yxy } 72.0001, 0.3086, 0.3257$  is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 221, 224) }
```

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

```
.background{ background-color: rgb(218,  
221, 224) }
```

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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