

# Converting Colors

$Yxy(72.8051, 0.3148, 0.3332)$

Have a look what the booklet for  
Yxy(72.8051, 0.3148, 0.3332)  
contains.

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# Color

**Yxy(72.6767, 0.3146, 0.3334)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DDDEDA
RGB	221, 222, 218
RGB Percent	87%, 87%, 85%
CMY	0.1336, 0.1293, 0.1452
CMYK	0.00, 0.00, 0.02, 0.13
HSL	76°, 6%, 86%
HSV	76°, 2%, 87%
XYZ	68.5786, 72.6767, 76.7312
YIQ	221.2450, 0.6880, -1.4560

# Conversions

## Conversions Part 2

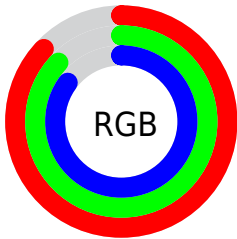
<b>Format</b>	<b>Color</b>
RYB	218, 222, 219
Decimal	14540506
CIELab	88.29, -1.08, 1.84
CIELCh	88, 2.133, 120.535
Yxy	72.6767, 0.3146, 0.3334
Android (android.graphics.Color)	4292730586 (0xFFDDDEDA)
YUV	221.2450, -1.5998, -0.2149
Hunter-Lab	85.2506, -5.5970, 6.3105

# Details

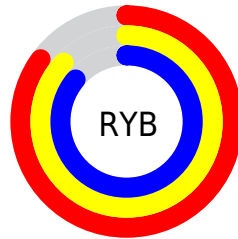
The Yxy color **72.6767, 0.3146, 0.3334** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **70.4814, 0.3108, 0.3246**, and the grayscale version is **72.4938, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **38.3888, 0.3152, 0.3347** is the 20% darker color. If you saturate the color by 10%, you get **70.6720, 0.3251, 0.3585**, and if you desaturate by 10%, it is **74.8769, 0.3044, 0.3100**.

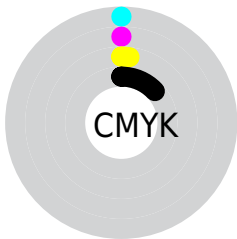
# Distribution



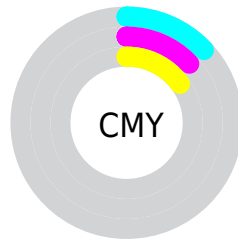
- Red (87%)
- Green (87%)
- Blue (85%)



- Red (85%)
- Yellow (87%)
- Blue (86%)



- Cyan (0%)
- Magenta (0%)
- Yellow (2%)
- Black (13%)



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

# Brightness & Saturation Gradients

These gradients show how the Yxy color 72.6767, 0.3146, 0.3334 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 72.6767, 0.3146, 0.3334 by changing the saturation by 10% instead.



■ 72.6767, 0.3146,  
0.3334

■ 72.6767, 0.3146,  
0.3334

469.8935, 0.3137,  
0.3314

■ 53.7116, 0.3148,  
0.3339

123.0181, 0.3143,  
0.3327

■ 38.3712, 0.3150,  
0.3344

155.1633, 0.3142,  
0.3324

■ 26.2709, 0.3154,  
0.3352

192.4706, 0.3141,  
0.3322

■ 17.0264, 0.3158,  
0.3361

235.3245, 0.3140,  
0.3320

■ 10.2533, 0.3163,  
0.3375

284.1094, 0.3139,  
0.3318

■ 5.5672, 0.3171,  
0.3394

339.2096, 0.3138,

■ 2.5838, 0.3184,

0.3316

401.0095, 0.3138,  
0.3315

0.3424

0.9185, 0.3210,  
0.3485

0.0000, 0.0000,  
0.0000

72.6767, 0.3146,  
0.3334

72.6767, 0.3146,  
0.3334

70.6720, 0.3251,  
0.3585

74.8769, 0.3044,  
0.3100

68.8468, 0.3356,  
0.3850


76.7841, 0.2992,  
0.2955


67.1974, 0.3458,  
0.4122


77.8079, 0.3032,  
0.2959

65.7164, 0.3552,  
0.4394


78.8662, 0.3073,  
0.2963


 64.3958, 0.3634,  
0.4655


 79.9593, 0.3114,  
0.2967

 63.2269, 0.3697,  
0.4892

 80.7365, 0.3142,  
0.2970

 62.1999, 0.3737,  
0.5096

 61.3036, 0.3752,  
0.5256

 60.5248, 0.3742,  
0.5368

# Harmonies

## Analogous

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



72.6767, 0.3167, 0.3332



72.6767, 0.3146, 0.3334



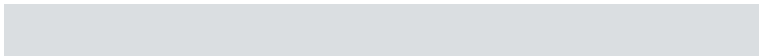
72.6767, 0.3120, 0.3324

# Triad

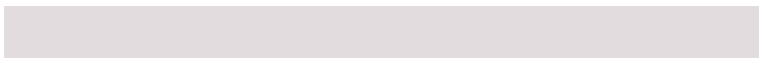
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



72.6767, 0.3146, 0.3334



72.6767, 0.3078, 0.3261



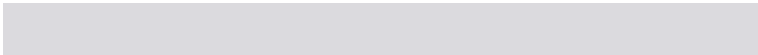
72.6767, 0.3158, 0.3276

# Complementary

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



72.6767, 0.3146, 0.3334



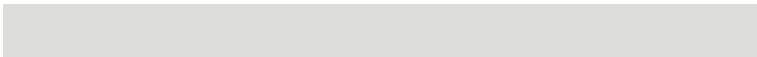
70.4814, 0.3108, 0.3246

# Split Complementary

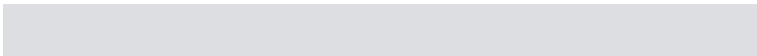
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



72.6767, 0.3134, 0.3257



72.6767, 0.3146, 0.3334



72.6767, 0.3088, 0.3248

# Square

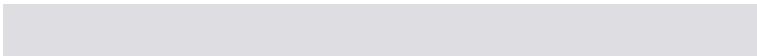
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



72.6767, 0.3146, 0.3334



72.6767, 0.3081, 0.3281



72.6767, 0.3108, 0.3247



72.6767, 0.3174, 0.3299



# Rectangle

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



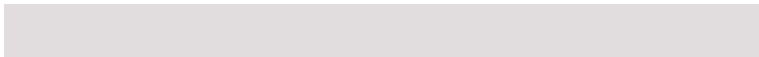
72.6767, 0.3146, 0.3334



72.6767, 0.3104, 0.3312



72.6767, 0.3108, 0.3247



72.6767, 0.3151, 0.3269

# Sweetspot

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



72.6798, 0.3146, 0.3334



99.7067, 0.3138, 0.3314



71.2903, 0.3156, 0.3302



21.3444, 0.3137, 0.3313



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.



72.6798, 0.3146, 0.3334



99.4161, 0.3148, 0.3339



72.3664, 0.3132, 0.3334



16.1756, 0.3147, 0.3336



35.6612, 0.3726, 0.5424



2.5151, 0.3801, 0.5364



# Inverse Universe

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



70.4814, 0.3108, 0.3246



96.0893, 0.3106, 0.3241



70.7951, 0.3122, 0.3246



15.6678, 0.3107, 0.3244



3.7471, 0.1669, 0.0693

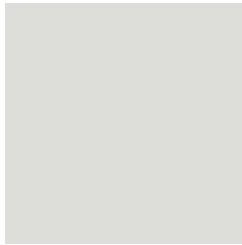


0.3031, 0.1829, 0.0781



# Previews

## White Background



This preview shows how the Yxy color 72.6767, 0.3146, 0.3334 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

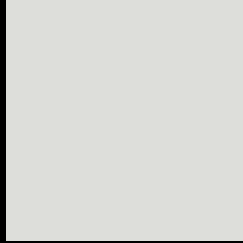
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 72.6767, 0.3146, 0.3334 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

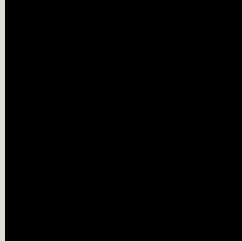
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

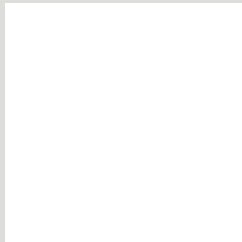
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 72.6767, 0.3146, 0.3334**

## **Background**



This preview shows how black text looks on a background with the Yxy color 72.6767, 0.3146, 0.3334.

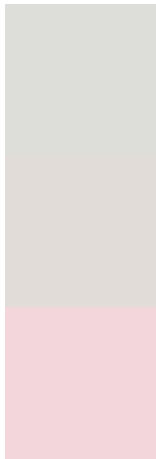


This preview shows how white text looks on a background with the Yxy color 72.6767, 0.3146, 0.3334.

# 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

72.6767, 0.3146, 0.3334

### Protanopia

72.3649, 0.3190, 0.3323

### Deuteranopia

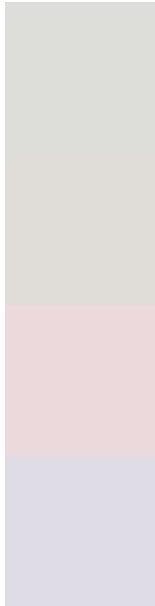
72.3151, 0.3300, 0.3228



## Tritanopia

72.5665, 0.3051, 0.3109

# Trichromacy



## Original Color

72.6767, 0.3146, 0.3334

## Protanomaly

72.5700, 0.3175, 0.3333

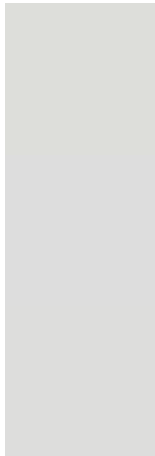
## Deuteranomaly

72.4023, 0.3245, 0.3269

## Tritanomaly

72.5315, 0.3089, 0.3193

# Monochromacy



## Original Color

72.6767, 0.3146, 0.3334

## Achromatopsia

72.3055, 0.3127, 0.3290

## Achromatomaly

72.2524, 0.3134, 0.3301

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 72.6767, 0.3146, 0.3334 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(221, 222, 218)` looks like.

```
.text, #text, p{  
    color:rgb(221, 222, 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(221, 222, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 222, 218) }
```

## Border

The CSS property to change the border of an element to Yxy 72.6767, 0.3146, 0.3334 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(221, 222, 218) }
```

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

```
.border{ border-color:rgb(221, 222, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 222, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 222, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 222, 218);  
box-shadow:4px 4px 4px 4px rgb(221, 222,  
218) }
```



# Background

The CSS property to change the background color of an element to  $\text{Yxy } 72.6767, 0.3146, 0.3334$  is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 222, 218) }
```

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

```
.background{ background-color: rgb(221,  
222, 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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