

# Converting Colors

$Y_{xy}(72.8238, 0.3145, 0.3321)$

Have a look what the booklet for  
Yxy(72.8238, 0.3145, 0.3321)  
contains.

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# Color

**Yxy(72.8866, 0.3147, 0.3323)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DEDEDB
RGB	222, 222, 219
RGB Percent	87%, 87%, 86%
CMY	0.1294, 0.1294, 0.1413
CMYK	0.00, 0.00, 0.01, 0.13
HSL	60°, 4%, 86%
HSV	60°, 1%, 87%
XYZ	69.0262, 72.8866, 77.4269
YIQ	221.6580, 0.9630, -0.9330

# Conversions

## Conversions Part 2

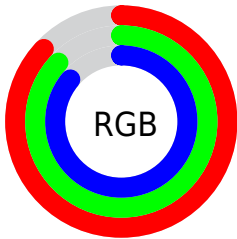
Format	Color
R <sub>Y</sub> B	219, 222, 219
Decimal	14606043
CIE Lab	88.39, -0.54, 1.47
CIE LCh	88, 1.571, 110.206
Yxy	72.8866, 0.3147, 0.3323
Android (android.graphics.Color)	4292796123 (0xFFDEDEDB)
YUV	221.6580, -1.3104, 0.2999
Hunter-Lab	85.3736, -5.0832, 5.9904

# Details

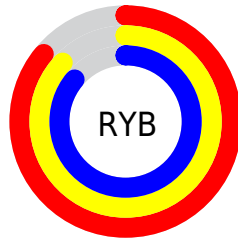
The Yxy color **72.8866, 0.3147, 0.3323** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **70.9808, 0.3107, 0.3257**, and the grayscale version is **72.8019, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **38.5333, 0.3153, 0.3333** is the 20% darker color. If you saturate the color by 10%, you get **71.7752, 0.3295, 0.3570**, and if you desaturate by 10%, it is **74.1603, 0.3005, 0.3087**.

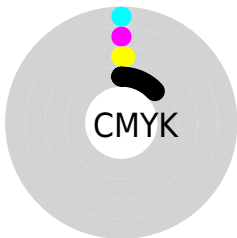
# Distribution



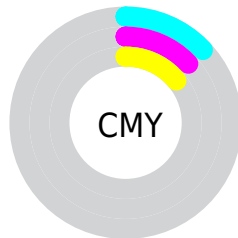
- Red (87%)
- Green (87%)
- Blue (86%)



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



- Cyan (0%)
- Magenta (0%)
- Yellow (1%)
- Black (13%)



- Cyan (13%)
- Magenta (13%)
- Yellow (14%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 72.8866, 0.3147, 0.3323 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 72.8866, 0.3147, 0.3323 by changing the saturation by 10% instead.



■ 72.8866, 0.3147,  
0.3323

■ 72.8866, 0.3147,  
0.3323

470.6217, 0.3138,  
0.3308

■ 53.8832, 0.3149,  
0.3326

123.3162, 0.3144,  
0.3318

■ 38.5083, 0.3152,  
0.3331

155.5113, 0.3143,  
0.3316

■ 26.3775, 0.3155,  
0.3336

192.8723, 0.3142,  
0.3314

■ 17.1062, 0.3159,  
0.3343

235.7838, 0.3141,  
0.3312

■ 10.3103, 0.3165,  
0.3353

284.6301, 0.3140,  
0.3311

■ 5.6051, 0.3174,  
0.3368

339.7955, 0.3139,

■ 2.6065, 0.3187,

0.3310

0.3390

401.6646, 0.3138,  
0.3309

0.9299, 0.3213,  
0.3433

0.0000, 0.0000,  
0.0000

72.8866, 0.3147,  
0.3323

72.8866, 0.3147,  
0.3323

71.7752, 0.3295,  
0.3570

74.1603, 0.3005,  
0.3087

70.8104, 0.3446,  
0.3821

75.0415, 0.2922,  
0.2947


69.9890, 0.3596,  
0.4071


75.0639, 0.2923,  
0.2948


69.3039, 0.3738,  
0.4310

75.0862, 0.2923,  
0.2948


 68.7474, 0.3868,  
0.4528


 75.1086, 0.2924,  
0.2948

 68.3113, 0.3980,  
0.4715


 75.1311, 0.2925,  
0.2948


 67.9863, 0.4068,  
0.4865

 75.1535, 0.2926,  
0.2948

 67.7615, 0.4131,  
0.4971

 75.1760, 0.2927,  
0.2948

 67.6243, 0.4167,  
0.5034

 75.1984, 0.2928,  
0.2948

# Harmonies

## Analogous

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



72.8866, 0.3160, 0.3319



72.8866, 0.3147, 0.3323



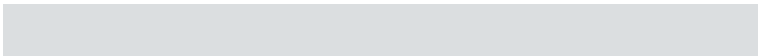
72.8866, 0.3129, 0.3318

# Triad

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



72.8866, 0.3147, 0.3323



72.8866, 0.3090, 0.3273



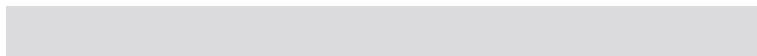
72.8866, 0.3144, 0.3274

# Complementary

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



72.8866, 0.3147, 0.3323



70.9808, 0.3107, 0.3257

# Split Complementary

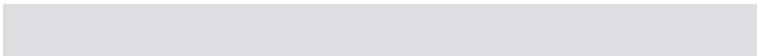
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



72.8866, 0.3126, 0.3262



72.8866, 0.3147, 0.3323



72.8866, 0.3095, 0.3262

# Square

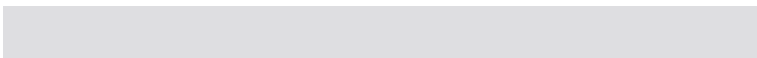
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



72.8866, 0.3147, 0.3323



72.8866, 0.3096, 0.3290



72.8866, 0.3107, 0.3258



72.8866, 0.3159, 0.3291



# Rectangle

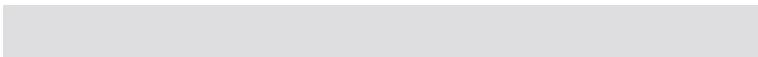
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



72.8866, 0.3147, 0.3323



72.8866, 0.3116, 0.3311



72.8866, 0.3107, 0.3258



72.8866, 0.3138, 0.3270

# Sweetspot

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



72.8897, 0.3147, 0.3323

100.0000, 0.3127, 0.3290



71.2920, 0.3149, 0.3290



21.4041, 0.3127, 0.3290



0.0000, 0.0000, 0.0000

# Same Dimension

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



72.8897, 0.3147, 0.3323



99.6697, 0.3156, 0.3339



72.6538, 0.3136, 0.3323



16.2143, 0.3155, 0.3336



40.1253, 0.4182, 0.5061

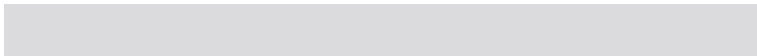


2.7827, 0.4184, 0.5060



# Inverse Universe

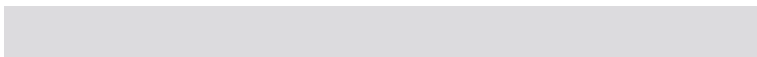
The Inverse Universe completely reimagines the original color for something new.



70.9808, 0.3107, 0.3257



95.8406, 0.3098, 0.3241



71.2146, 0.3118, 0.3257



15.6298, 0.3100, 0.3244



3.1398, 0.1502, 0.0601

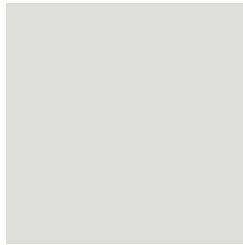


0.2191, 0.1508, 0.0605



# Previews

## White Background



This preview shows how the Yxy color 72.8866, 0.3147, 0.3323 looks on a white background.

## Color Contrast Check

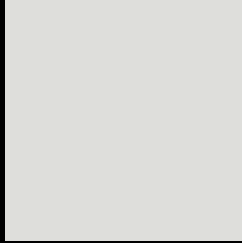
Large Text (above 18pt) WCAG AA × Fail

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 72.8866, 0.3147, 0.3323 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

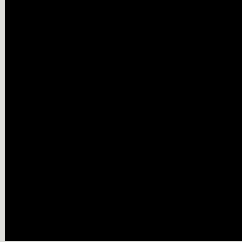
Any Text WCAG AAA ✓ Pass

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

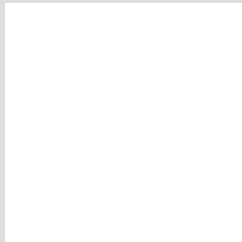


**Yxy 72.8866, 0.3147, 0.3323**

## **Background**



This preview shows how black text looks on a background with the Yxy color 72.8866, 0.3147, 0.3323.

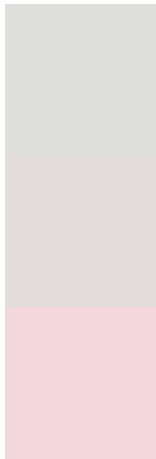


This preview shows how white text looks on a background with the Yxy color 72.8866, 0.3147, 0.3323.

# 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

72.8866, 0.3147, 0.3323

### Protanopia

72.9436, 0.3183, 0.3322

### Deuteranopia

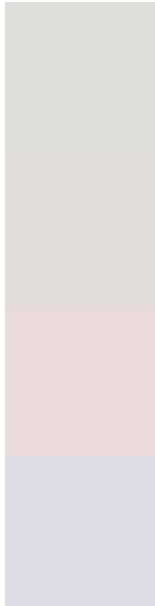
72.8229, 0.3299, 0.3239



## Tritanopia

72.7850, 0.3052, 0.3099

# Trichromacy



## Original Color

72.8866, 0.3147, 0.3323

## Protanomaly

72.7824, 0.3176, 0.3323

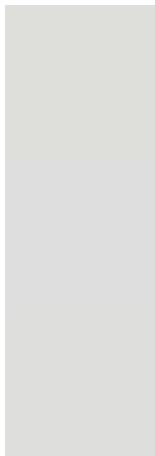
## Deuteranomaly

72.9723, 0.3237, 0.3269

## Tritanomaly

72.7469, 0.3090, 0.3183

# Monochromacy



## Original Color

72.8866, 0.3147, 0.3323

## Achromatopsia

73.0461, 0.3127, 0.3290

## Achromatomaly

72.9926, 0.3134, 0.3301

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  72.8866, 0.3147, 0.3323 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(222, 222, 219)` looks like.

```
.text, #text, p{  
    color:rgb(222, 222, 219)  
}
```

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(222, 222, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 222, 219) }
```

## Border

The CSS property to change the border of an element to Yxy 72.8866, 0.3147, 0.3323 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(222, 222, 219) }
```

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

```
.border{ border-color:rgb(222, 222, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 222, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 222, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 222, 219);  
box-shadow:4px 4px 4px 4px rgb(222, 222,  
219) }
```

# Background

The CSS property to change the background color of an element to Yxy 72.8866, 0.3147, 0.3323 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 222, 219) }
```

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

```
.background{ background-color: rgb(222,  
222, 219) }
```

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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