

# Converting Colors

$Yxy(68.3316, 0.3223, 0.3399)$

Have a look what the booklet for  
Yxy(68.3316, 0.3223, 0.3399)  
contains.

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# Color

**Yxy(68.1172, 0.3218, 0.3391)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DBD7CE
RGB	219, 215, 206
RGB Percent	86%, 84%, 81%
CMY	0.1413, 0.1568, 0.1923
CMYK	0.00, 0.02, 0.06, 0.14
HSL	42°, 15%, 83%
HSV	42°, 6%, 86%
XYZ	64.6420, 68.1172, 68.1172
YIQ	215.1700, 5.2730, -1.9510

# Conversions

## Conversions Part 2

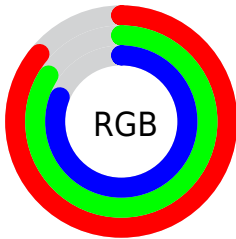
Format	Color
R <sub>Y</sub> B	212, 219, 206
Decimal	14407630
CIE Lab	86.07, -0.23, 4.92
CIE LCh	86, 4.927, 92.671
Yxy	68.1172, 0.3218, 0.3391
Android (android.graphics.Color)	4292597710 (0xFFDBD7CE)
YUV	215.1700, -4.5208, 3.3589
Hunter-Lab	82.5331, -4.6273, 8.8393

# Details

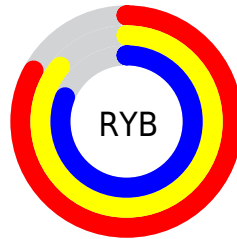
The Yxy color **68.1172, 0.3218, 0.3391** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **64.2800, 0.3037, 0.3187**, and the grayscale version is **68.1017, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **35.3011, 0.3238, 0.3407** is the 20% darker color. If you saturate the color by 10%, you get **63.8162, 0.3383, 0.3568**, and if you desaturate by 10%, it is **72.7095, 0.3068, 0.3223**.

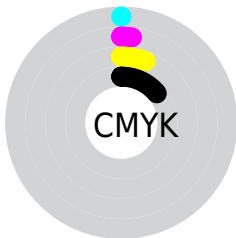
# Distribution



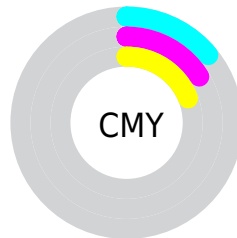
- Red (86%)
- Green (84%)
- Blue (81%)



- Red (83%)
- Yellow (86%)
- Blue (81%)



- Cyan (0%)
- Magenta (2%)
- Yellow (6%)
- Black (14%)



- Cyan (14%)
- Magenta (16%)
- Yellow (19%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 68.1172, 0.3218, 0.3391 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 68.1172, 0.3218, 0.3391 by changing the saturation by 10% instead.



■ 68.1172, 0.3218,  
0.3391

■ 68.1172, 0.3218,  
0.3391

453.9111, 0.3175,  
0.3344

■ 49.9931, 0.3228,  
0.3402

116.5198, 0.3203,  
0.3374

■ 35.4079, 0.3240,  
0.3416

147.5671, 0.3197,  
0.3368

■ 23.9773, 0.3256,  
0.3433

183.6908, 0.3192,  
0.3363

■ 15.3168, 0.3276,  
0.3456

225.2755, 0.3188,  
0.3358

■ 9.0420, 0.3305,  
0.3488

272.7055, 0.3184,  
0.3354

■ 4.7686, 0.3347,  
0.3535

326.3652, 0.3181,

■ 2.1121, 0.3416,

0.3350

0.3612

386.6389, 0.3178,  
0.3347

0.6714, 0.3741,  
0.3971

0.0000, 0.0000,  
0.0000

68.1172, 0.3218,  
0.3391

68.1172, 0.3218,  
0.3391

63.8162, 0.3383,  
0.3568

72.7095, 0.3068,  
0.3223

59.7901, 0.3563,  
0.3751

77.5916, 0.2933,  
0.3065

56.0335, 0.3755,  
0.3934

81.6533, 0.2904,  
0.3082

52.5378, 0.3956,  
0.4109

85.5243, 0.2907,  
0.3152

■ 49.2936, 0.4159,  
0.4268

■ 89.5387, 0.2909,  
0.3220

■ 46.2908, 0.4355,  
0.4399

■ 93.6978, 0.2911,  
0.3288

■ 43.5181, 0.4536,  
0.4492

■ 93.7934, 0.2911,  
0.3289

■ 40.9624, 0.4692,  
0.4538

■ 38.6082, 0.4816,  
0.4533

# Harmonies

## Analogous

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



68.1172, 0.3245, 0.3362



68.1172, 0.3218, 0.3391



68.1172, 0.3167, 0.3393

# Triad

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



68.1172, 0.3218, 0.3391



68.1172, 0.3016, 0.3265



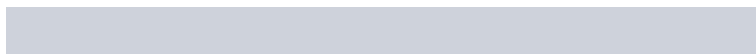
68.1172, 0.3148, 0.3215

# Complementary

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



68.1172, 0.3218, 0.3391



64.2800, 0.3037, 0.3187

# 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.



68.1172, 0.3087, 0.3189



68.1172, 0.3218, 0.3391



68.1172, 0.3011, 0.3217

# Square

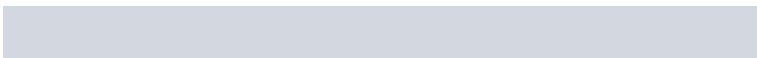
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



68.1172, 0.3218, 0.3391



68.1172, 0.3051, 0.3320



68.1172, 0.3037, 0.3190



68.1172, 0.3204, 0.3260



# Rectangle

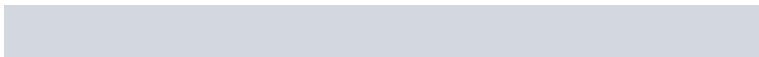
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



68.1172, 0.3218, 0.3391



68.1172, 0.3126, 0.3379



68.1172, 0.3037, 0.3190



68.1172, 0.3127, 0.3204

# Sweetspot

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



68.1202, 0.3218, 0.3391



98.6933, 0.3157, 0.3324



63.8419, 0.3197, 0.3244



21.1382, 0.3156, 0.3322



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.



68.1202, 0.3218, 0.3391



95.4989, 0.3236, 0.3411



69.7825, 0.3197, 0.3435



14.7432, 0.3244, 0.3419



22.5634, 0.4849, 0.4532

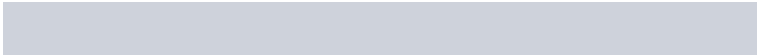


1.6107, 0.4717, 0.4637



# Inverse Universe

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



64.2800, 0.3037, 0.3187



89.0895, 0.3019, 0.3166



62.7048, 0.3055, 0.3142



13.6856, 0.3011, 0.3157



5.5398, 0.1615, 0.1012

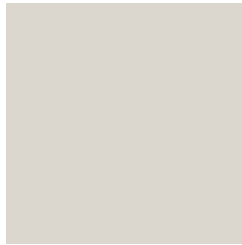


0.5083, 0.1706, 0.1340



# Previews

## White Background



This preview shows how the Yxy color 68.1172, 0.3218, 0.3391 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

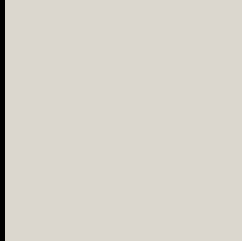
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 68.1172, 0.3218, 0.3391 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

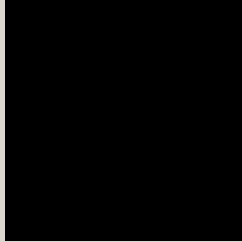
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

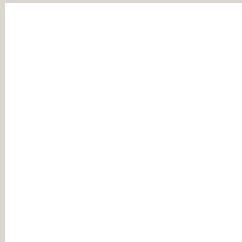
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 68.1172, 0.3218, 0.3391**

## **Background**



This preview shows how black text looks on a background with the Yxy color 68.1172, 0.3218, 0.3391.

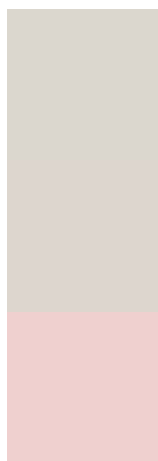


This preview shows how white text looks on a background with the Yxy color 68.1172, 0.3218, 0.3391.

# 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

68.1172, 0.3218, 0.3391

### Protanopia

67.9215, 0.3234, 0.3379

### Deuteranopia

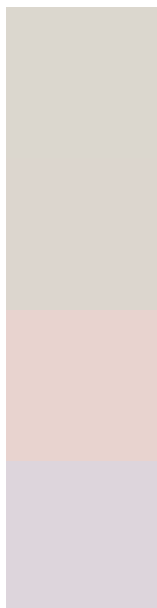
67.9675, 0.3372, 0.3301



## Tritanopia

68.2180, 0.3092, 0.3117

# Trichromacy



## Original Color

68.1172, 0.3218, 0.3391

## Protanomaly

67.7650, 0.3227, 0.3379

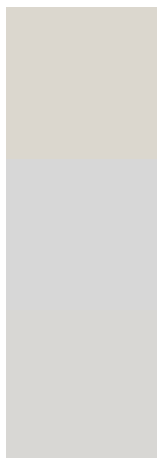
## Deuteranomaly

68.2493, 0.3314, 0.3334

## Tritanomaly

68.1280, 0.3138, 0.3213

# Monochromacy



## Original Color

68.1172, 0.3218, 0.3391

## Achromatopsia

67.9542, 0.3127, 0.3290

## Achromatomaly

67.9533, 0.3155, 0.3324

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 68.1172, 0.3218, 0.3391 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, 215, 206)` looks like.

```
.text, #text, p{  
    color:rgb(219, 215, 206)  
}
```

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, 215, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 215, 206) }
```

## Border

The CSS property to change the border of an element to Yxy 68.1172, 0.3218, 0.3391 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, 215, 206) }
```

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

```
.border{ border-color:rgb(219, 215, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 215, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 215, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 215, 206);  
box-shadow:4px 4px 4px 4px rgb(219, 215,  
206) }
```



# Background

The CSS property to change the background color of an element to Yxy 68.1172, 0.3218, 0.3391 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 215, 206) }
```

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

```
.background{ background-color: rgb(219,  
215, 206) }
```

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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