

# Converting Colors

$Yxy(70.0777, 0.3204, 0.3364)$

Have a look what the booklet for  
Yxy(70.0777, 0.3204, 0.3364)  
contains.

<b>Yxy(70.3756, 0.3203, 0.3367)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(70.3756, 0.3203, 0.3367)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DEDAD3
RGB	222, 218, 211
RGB Percent	87%, 85%, 83%
CMY	0.1295, 0.1450, 0.1725
CMYK	0.00, 0.02, 0.05, 0.13
HSL	38°, 14%, 85%
HSV	38°, 5%, 87%
XYZ	66.9477, 70.3756, 71.6924
YIQ	218.3980, 4.6310, -1.3290

# Conversions

## Conversions Part 2

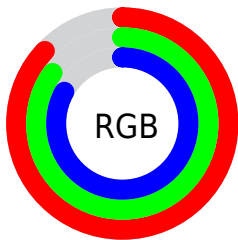
Format	Color
R <sub>Y</sub> B	217, 222, 211
Decimal	14605011
CIE Lab	87.18, 0.13, 3.90
CIE LCh	87, 3.906, 88.120
Yxy	70.3756, 0.3203, 0.3367
Android (android.graphics.Color)	4292795091 (0xFFDEDAD3)
YUV	218.3980, -3.6472, 3.1590
Hunter-Lab	83.8902, -4.3576, 8.0540

# Details

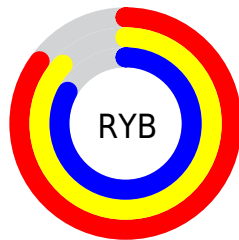
The Yxy color **70.3756, 0.3203, 0.3367** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **67.7098, 0.3052, 0.3212**, and the grayscale version is **70.4229, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **36.8442, 0.3218, 0.3376** is the 20% darker color. If you saturate the color by 10%, you get **65.2830, 0.3370, 0.3529**, and if you desaturate by 10%, it is **75.8292, 0.3054, 0.3213**.

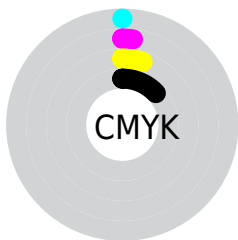
# Distribution



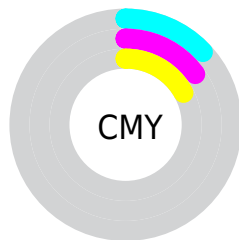
- Red (87%)
- Green (85%)
- Blue (83%)



- Red (85%)
- Yellow (87%)
- Blue (83%)



- Cyan (0%)
- Magenta (2%)
- Yellow (5%)
- Black (13%)



- Cyan (13%)
- Magenta (15%)
- Yellow (17%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 70.3756, 0.3203, 0.3367 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 70.3756, 0.3203, 0.3367 by changing the saturation by 10% instead.



■ 70.3756, 0.3203,  
0.3367

■ 70.3756, 0.3203,  
0.3367

461.8677, 0.3168,  
0.3331

■ 51.8328, 0.3211,  
0.3375

119.7442, 0.3191,  
0.3355

■ 36.8718, 0.3221,  
0.3385

151.3389, 0.3186,  
0.3350

■ 25.1083, 0.3234,  
0.3398

188.0529, 0.3182,  
0.3346

■ 16.1577, 0.3251,  
0.3416

230.2707, 0.3178,  
0.3342

■ 9.6358, 0.3274,  
0.3439

278.3767, 0.3175,  
0.3339

■ 5.1582, 0.3308,  
0.3474

332.7552, 0.3172,

■ 2.3404, 0.3363,

0.3336

0.3529

393.7908, 0.3170,  
0.3333

0.7950, 0.3535,  
0.3704

0.0000, 0.0000,  
0.0000

70.3756, 0.3203,  
0.3367

70.3756, 0.3203,  
0.3367

65.2830, 0.3370,  
0.3529

75.8292, 0.3054,  
0.3213

60.5331, 0.3554,  
0.3698

81.6168, 0.2923,  
0.3074

56.1194, 0.3754,  
0.3868

86.2863, 0.2925,  
0.3158

52.0318, 0.3967,  
0.4032

91.1650, 0.2927,  
0.3240

■ 48.2594, 0.4187,  
0.4181

■ 94.2648, 0.2929,  
0.3289

■ 44.7905, 0.4406,  
0.4305

■ 41.6122, 0.4614,  
0.4391

■ 38.7099, 0.4799,  
0.4430

■ 36.0664, 0.4952,  
0.4417

# Harmonies

## Analogous

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



70.3756, 0.3220, 0.3341



70.3756, 0.3203, 0.3367



70.3756, 0.3165, 0.3372

# Triad

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



70.3756, 0.3203, 0.3367



70.3756, 0.3043, 0.3277



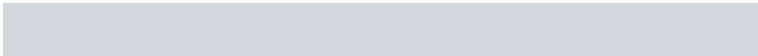
70.3756, 0.3136, 0.3227

# Complementary

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



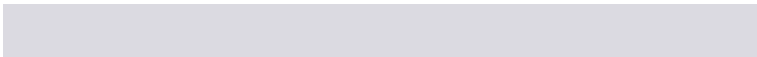
70.3756, 0.3203, 0.3367



67.7098, 0.3052, 0.3212

# 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.



70.3756, 0.3089, 0.3210



70.3756, 0.3203, 0.3367



70.3756, 0.3035, 0.3238

# Square

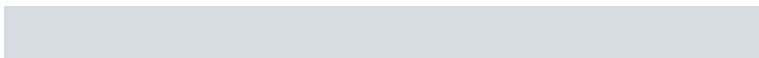
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



70.3756, 0.3203, 0.3367



70.3756, 0.3073, 0.3320



70.3756, 0.3052, 0.3214



70.3756, 0.3181, 0.3261



# Rectangle

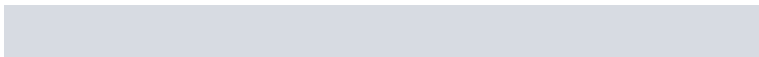
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



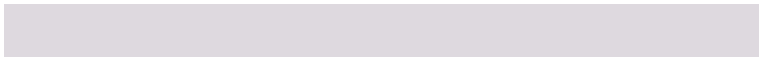
70.3756, 0.3203, 0.3367



70.3756, 0.3134, 0.3363



70.3756, 0.3052, 0.3214



70.3756, 0.3120, 0.3219

# Sweetspot

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



70.3787, 0.3203, 0.3367



99.2507, 0.3142, 0.3306



67.0289, 0.3181, 0.3246



21.2516, 0.3142, 0.3305



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

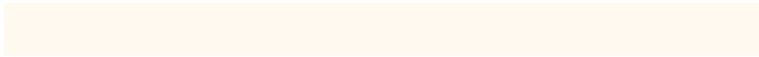


# Same Dimension

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



70.3787, 0.3203, 0.3367



95.5785, 0.3221, 0.3385



72.2257, 0.3189, 0.3410



15.4794, 0.3230, 0.3394



20.9026, 0.5005, 0.4408

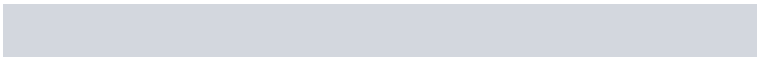


1.6169, 0.4847, 0.4533



# Inverse Universe

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



67.7098, 0.3052, 0.3212



91.1341, 0.3035, 0.3194



65.9364, 0.3063, 0.3168



14.6916, 0.3026, 0.3184



6.7481, 0.1655, 0.1159

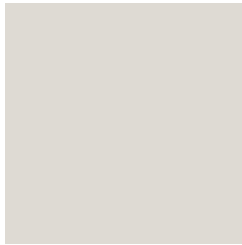


0.6336, 0.1742, 0.1469



# Previews

## White Background



This preview shows how the Yxy color 70.3756, 0.3203, 0.3367 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

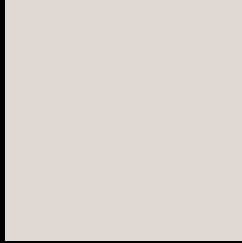
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 70.3756, 0.3203, 0.3367 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

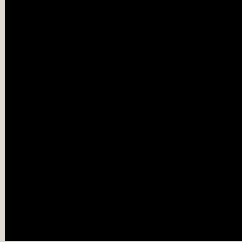
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

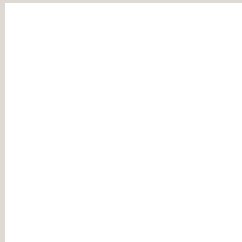
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 70.3756, 0.3203, 0.3367**

## **Background**



This preview shows how black text looks on a background with the Yxy color 70.3756, 0.3203, 0.3367.

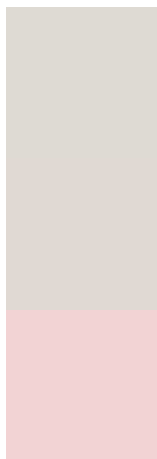


This preview shows how white text looks on a background with the Yxy color 70.3756, 0.3203, 0.3367.

# 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

70.3756, 0.3203, 0.3367

### Protanopia

70.1762, 0.3219, 0.3356

### Deuteranopia

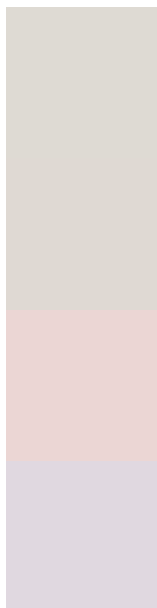
70.2192, 0.3354, 0.3280



## Tritanopia

70.4346, 0.3085, 0.3108

# Trichromacy



## Original Color

70.3756, 0.3203, 0.3367

## Protanomaly

70.0168, 0.3212, 0.3356

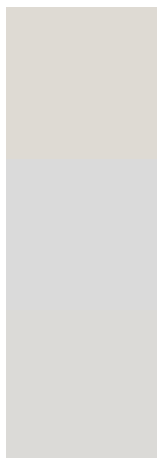
## Deuteranomaly

70.5088, 0.3297, 0.3312

## Tritanomaly

70.3408, 0.3131, 0.3204

# Monochromacy



## Original Color

70.3756, 0.3203, 0.3367

## Achromatopsia

70.1102, 0.3127, 0.3290

## Achromatomaly

70.1092, 0.3154, 0.3323

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 70.3756, 0.3203, 0.3367 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, 218, 211)` looks like.

```
.text, #text, p{  
    color:rgb(222, 218, 211)  
}
```

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, 218, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 218, 211) }
```

## Border

The CSS property to change the border of an element to Yxy 70.3756, 0.3203, 0.3367 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, 218, 211) }
```

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

```
.border{ border-color:rgb(222, 218, 211) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 218, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 218, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 218, 211);  
box-shadow:4px 4px 4px 4px rgb(222, 218,  
211) }
```



# Background

The CSS property to change the background color of an element to  $\text{Yxy } 70.3756, 0.3203, 0.3367$  is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 218, 211) }
```

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

```
.background{ background-color: rgb(222,  
218, 211) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor