

# Converting Colors

$Y_{xy}(67.1982, 0.3165, 0.3307)$

Have a look what the booklet for  
Yxy(67.1982, 0.3165, 0.3307)  
contains.

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# Color

**Yxy(67.0937, 0.3163, 0.3301)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D9D5D4
RGB	217, 213, 212
RGB Percent	85%, 84%, 83%
CMY	0.1491, 0.1647, 0.1685
CMYK	0.00, 0.02, 0.02, 0.15
HSL	12°, 6%, 84%
HSV	12°, 2%, 85%
XYZ	64.2888, 67.0937, 71.8701
YIQ	214.0820, 2.7050, 0.5370

# Conversions

## Conversions Part 2

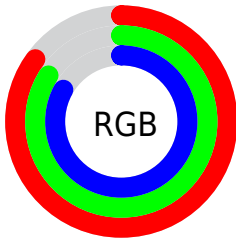
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	217, 213, 212
Decimal	14276052
CIE Lab	85.55, 1.18, 0.95
CIE LCh	86, 1.517, 38.795
Yxy	67.0937, 0.3163, 0.3301
Android (android.graphics.Color)	4292466132 (0xFFD9D5D4)
YUV	214.0820, -1.0264, 2.5591
Hunter-Lab	81.9107, -3.2455, 5.3153

# Details

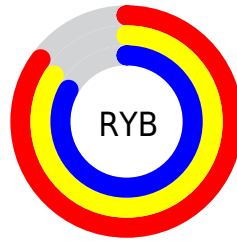
The Yxy color **67.0937, 0.3163, 0.3301** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **68.1153, 0.3092, 0.3279**, and the grayscale version is **67.3088, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **34.5694, 0.3175, 0.3305** is the 20% darker color. If you saturate the color by 10%, you get **57.7892, 0.3340, 0.3352**, and if you desaturate by 10%, it is **77.4891, 0.3016, 0.3254**.

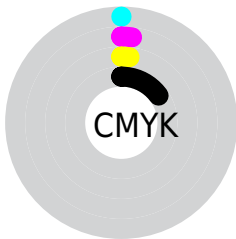
# Distribution



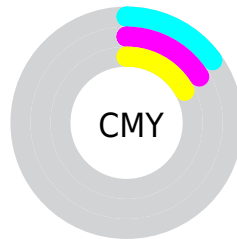
- Red (85%)
- Green (84%)
- Blue (83%)



- Red (85%)
- Yellow (84%)
- Blue (83%)



- Cyan (0%)
- Magenta (2%)
- Yellow (2%)
- Black (15%)



- Cyan (15%)
- Magenta (16%)
- Yellow (17%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 67.0937, 0.3163, 0.3301 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 67.0937, 0.3163, 0.3301 by changing the saturation by 10% instead.



■ 67.0937, 0.3163,  
0.3301

■ 67.0937, 0.3163,  
0.3301

450.2782, 0.3146,  
0.3296

■ 49.1608, 0.3167,  
0.3302

115.0547, 0.3157,  
0.3299

■ 34.7470, 0.3172,  
0.3304

145.8515, 0.3155,  
0.3299

■ 23.4681, 0.3178,  
0.3305

181.7051, 0.3153,  
0.3298

■ 14.9395, 0.3186,  
0.3308

222.9998, 0.3151,  
0.3297

■ 8.7769, 0.3198,  
0.3311

270.1201, 0.3150,  
0.3297

■ 4.5960, 0.3215,  
0.3316

323.4504, 0.3148,

■ 2.0122, 0.3243,

0.3297

0.3324

383.3749, 0.3147,  
0.3296

0.6146, 0.3349,  
0.3358

0.0000, 0.0000,  
0.0000

67.0937, 0.3163,  
0.3301

67.0937, 0.3163,  
0.3301

57.7892, 0.3340,  
0.3352

77.4891, 0.3016,  
0.3254

49.5318, 0.3555,  
0.3406

88.9730, 0.2897,  
0.3216

42.2871, 0.3813,  
0.3462

93.4867, 0.2900,  
0.3289

36.0157, 0.4121,  
0.3516

■ 30.6758, 0.4478,  
0.3563

■ 26.2222, 0.4876,  
0.3596

■ 22.6061, 0.5293,  
0.3605

■ 19.7737, 0.5688,  
0.3581

■ 17.6644, 0.6011,  
0.3522

# Harmonies

## Analogous

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



67.0937, 0.3154, 0.3284



67.0937, 0.3163, 0.3301



67.0937, 0.3163, 0.3315

# Triad

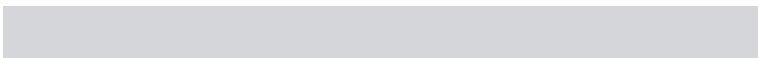
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



67.0937, 0.3163, 0.3301



67.0937, 0.3117, 0.3311



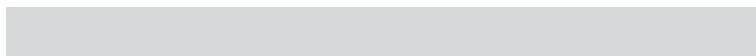
67.0937, 0.3102, 0.3258

# Complementary

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



67.0937, 0.3163, 0.3301



68.1153, 0.3092, 0.3279

# 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.



67.0937, 0.3092, 0.3265



67.0937, 0.3163, 0.3301



67.0937, 0.3101, 0.3296

# Square

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



67.0937, 0.3163, 0.3301



67.0937, 0.3136, 0.3321



67.0937, 0.3092, 0.3279



67.0937, 0.3119, 0.3260



# Rectangle

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



67.0937, 0.3163, 0.3301



67.0937, 0.3157, 0.3321



67.0937, 0.3092, 0.3279



67.0937, 0.3098, 0.3260

# Sweetspot

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



67.0966, 0.3163, 0.3301



98.5398, 0.3143, 0.3295



66.8112, 0.3136, 0.3245



21.1070, 0.3142, 0.3295



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

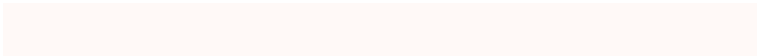


# Same Dimension

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



67.0966, 0.3163, 0.3301



95.6673, 0.3175, 0.3305



68.3090, 0.3161, 0.3328



14.6538, 0.3188, 0.3308



10.0985, 0.6172, 0.3481



0.7763, 0.5862, 0.3727



# Inverse Universe

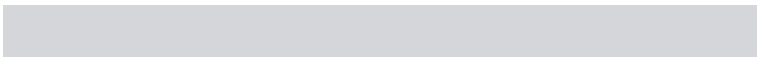
The Inverse Universe completely reimagines the original color for something new.



68.1153, 0.3092, 0.3279



97.6126, 0.3081, 0.3275



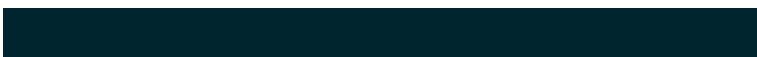
66.8986, 0.3093, 0.3252



15.0277, 0.3069, 0.3272



21.4904, 0.2068, 0.2643

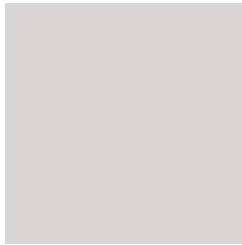


1.5064, 0.2100, 0.2760



# Previews

## White Background



This preview shows how the Yxy color 67.0937, 0.3163, 0.3301 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

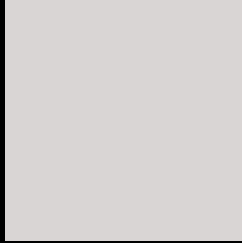
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 67.0937, 0.3163, 0.3301 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

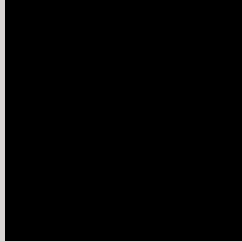
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

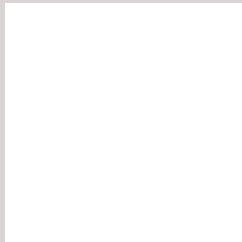
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 67.0937, 0.3163, 0.3301**

## **Background**



This preview shows how black text looks on a background with the Yxy color 67.0937, 0.3163, 0.3301.

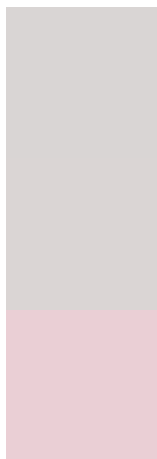


This preview shows how white text looks on a background with the Yxy color 67.0937, 0.3163, 0.3301.

# 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

67.0937, 0.3163, 0.3301

### Protanopia

67.2474, 0.3171, 0.3301

### Deuteranopia

66.9222, 0.3290, 0.3226



## Tritanopia

67.1947, 0.3077, 0.3115

# Trichromacy



## Original Color

67.0937, 0.3163, 0.3301

## Protanomaly

67.2474, 0.3171, 0.3301

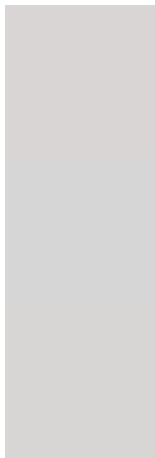
## Deuteranomaly

66.8990, 0.3242, 0.3247

## Tritanomaly

67.2663, 0.3103, 0.3180

# Monochromacy



## Original Color

67.0937, 0.3163, 0.3301

## Achromatopsia

67.2443, 0.3127, 0.3290

## Achromatomaly

67.3443, 0.3141, 0.3301

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 67.0937, 0.3163, 0.3301 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(217, 213, 212)` looks like.

```
.text, #text, p{  
    color:rgb(217, 213, 212)  
}
```

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(217, 213, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 213, 212) }
```

## Border

The CSS property to change the border of an element to Yxy 67.0937, 0.3163, 0.3301 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(217, 213, 212) }
```

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

```
.border{ border-color:rgb(217, 213, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 213, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 213, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 213, 212);  
box-shadow:4px 4px 4px 4px rgb(217, 213,  
212) }
```



# Background

The CSS property to change the background color of an element to Yxy 67.0937, 0.3163, 0.3301 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 213, 212) }
```

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

```
.background{ background-color: rgb(217,  
213, 212) }
```

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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