

# Converting Colors

Yxy(67.1606, 0.3182, 0.3344)

Have a look what the booklet for  
Yxy(67.1606, 0.3182, 0.3344)  
contains.

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# Color

**Yxy(67.4483, 0.3183, 0.3346)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D9D6D1
RGB	217, 214, 209
RGB Percent	85%, 84%, 82%
CMY	0.1492, 0.1607, 0.1803
CMYK	0.00, 0.01, 0.04, 0.15
HSL	38°, 9%, 84%
HSV	38°, 4%, 85%
XYZ	64.1626, 67.4483, 69.9680
YIQ	214.3270, 3.3930, -0.9190

# Conversions

## Conversions Part 2

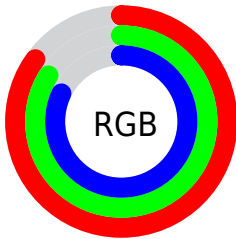
<b>Format</b>	<b>Color</b>
<b>R<sub>Y</sub>B</b>	214, 217, 209
Decimal	14276305
CIE Lab	85.73, 0.13, 2.81
CIE LCh	86, 2.811, 87.445
Yxy	67.4483, 0.3183, 0.3346
Android (android.graphics.Color)	4292466385 (0xFFD9D6D1)
YUV	214.3270, -2.6262, 2.3442
Hunter-Lab	82.1269, -4.2670, 6.9767

# Details

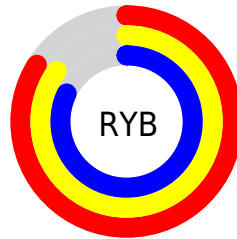
The Yxy color **67.4483, 0.3183, 0.3346** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **65.6314, 0.3072, 0.3233**, and the grayscale version is **67.4918, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **34.8442, 0.3192, 0.3349** is the 20% darker color. If you saturate the color by 10%, you get **62.4799, 0.3348, 0.3505**, and if you desaturate by 10%, it is **72.7696, 0.3036, 0.3196**.

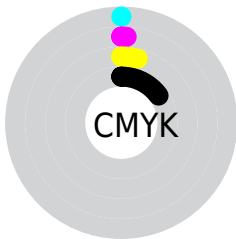
# Distribution



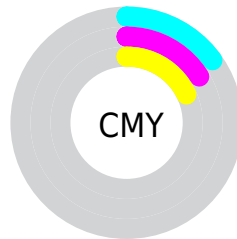
- Red (85%)
- Green (84%)
- Blue (82%)



- Red (84%)
- Yellow (85%)
- Blue (82%)



- Cyan (0%)
- Magenta (1%)
- Yellow (4%)
- Black (15%)



- Cyan (15%)
- Magenta (16%)
- Yellow (18%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 67.4483, 0.3183, 0.3346 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 67.4483, 0.3183, 0.3346 by changing the saturation by 10% instead.



■ 67.4483, 0.3183,  
0.3346

■ 67.4483, 0.3183,  
0.3346

451.5388, 0.3157,  
0.3320

■ 49.4490, 0.3189,  
0.3352

115.5625, 0.3174,  
0.3337

■ 34.9758, 0.3197,  
0.3360

146.4463, 0.3170,  
0.3333

■ 23.6442, 0.3206,  
0.3369

182.3937, 0.3167,  
0.3330

■ 15.0699, 0.3219,  
0.3382

223.7891, 0.3165,  
0.3328

■ 8.8685, 0.3237,  
0.3400

271.0169, 0.3162,  
0.3325

■ 4.6555, 0.3263,  
0.3426

324.4616, 0.3160,

■ 2.0466, 0.3306,

0.3323

0.3469

384.5074, 0.3158,  
0.3321

0.6343, 0.3493,  
0.3657

0.0000, 0.0000,  
0.0000

67.4483, 0.3183,  
0.3346

67.4483, 0.3183,  
0.3346

62.4799, 0.3348,  
0.3505

72.7696, 0.3036,  
0.3196

57.8469, 0.3530,  
0.3670

78.4435, 0.2905,  
0.3056

53.5431, 0.3729,  
0.3838

83.1886, 0.2893,  
0.3115

49.5587, 0.3942,  
0.4001

87.9768, 0.2896,  
0.3199

■ 45.8834, 0.4164,  
0.4151

■ 92.9766, 0.2899,  
0.3281

■ 42.5058, 0.4388,  
0.4277

■ 93.4854, 0.2900,  
0.3289

■ 39.4138, 0.4602,  
0.4367

■ 36.5935, 0.4794,  
0.4411

■ 34.0289, 0.4956,  
0.4403

# Harmonies

## Analogous

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



67.4483, 0.3195, 0.3327



67.4483, 0.3183, 0.3346



67.4483, 0.3156, 0.3350

# Triad

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



67.4483, 0.3183, 0.3346



67.4483, 0.3066, 0.3281



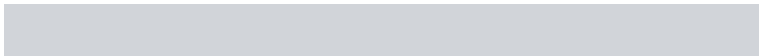
67.4483, 0.3133, 0.3243

# Complementary

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



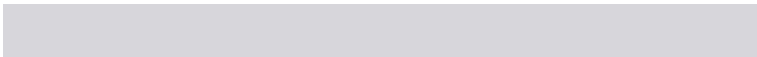
67.4483, 0.3183, 0.3346



65.6314, 0.3072, 0.3233

# 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.



67.4483, 0.3098, 0.3231



67.4483, 0.3183, 0.3346



67.4483, 0.3060, 0.3253

# Square

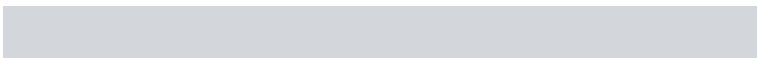
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



67.4483, 0.3183, 0.3346



67.4483, 0.3088, 0.3313



67.4483, 0.3072, 0.3235



67.4483, 0.3166, 0.3268



# Rectangle

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



67.4483, 0.3183, 0.3346



67.4483, 0.3133, 0.3344



67.4483, 0.3072, 0.3235



67.4483, 0.3121, 0.3238

# Sweetspot

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



67.4512, 0.3183, 0.3346



99.2356, 0.3142, 0.3305



65.1107, 0.3165, 0.3256



21.2486, 0.3142, 0.3305



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

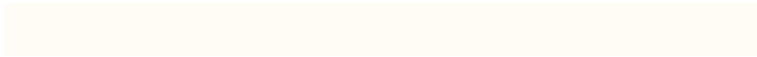


# Same Dimension

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



67.4512, 0.3183, 0.3346



96.9733, 0.3189, 0.3352



68.8127, 0.3174, 0.3379



14.9404, 0.3200, 0.3362



19.9029, 0.5029, 0.4389



1.4522, 0.4858, 0.4525

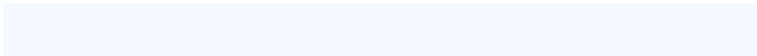


# Inverse Universe

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



65.6314, 0.3072, 0.3233



94.0875, 0.3066, 0.3227



64.3096, 0.3079, 0.3200



14.4203, 0.3055, 0.3217



6.7257, 0.1663, 0.1186

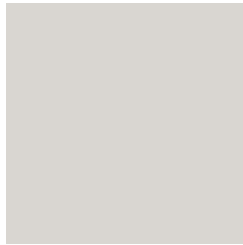


0.5975, 0.1754, 0.1515



# Previews

## White Background



This preview shows how the Yxy color 67.4483, 0.3183, 0.3346 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

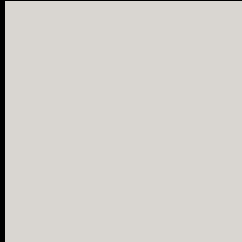
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 67.4483, 0.3183, 0.3346 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

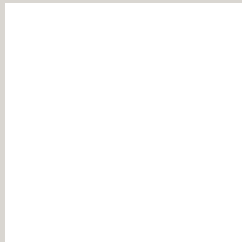
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 67.4483, 0.3183, 0.3346**

## **Background**



This preview shows how black text looks on a background with the Yxy color 67.4483, 0.3183, 0.3346.

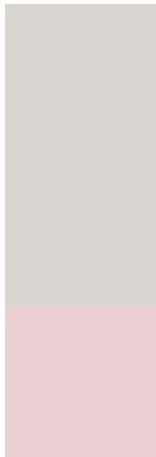


This preview shows how white text looks on a background with the Yxy color 67.4483, 0.3183, 0.3346.

# 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

67.4483, 0.3183, 0.3346

### Protanopia

67.2520, 0.3199, 0.3335

### Deuteranopia

67.1117, 0.3328, 0.3258



## Tritanopia

67.4056, 0.3077, 0.3105

# Trichromacy



## Original Color

67.4483, 0.3183, 0.3346

## Protanomaly

67.0974, 0.3192, 0.3335

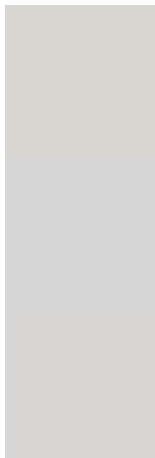
## Deuteranomaly

67.4043, 0.3270, 0.3290

## Tritanomaly

67.3675, 0.3117, 0.3191

# Monochromacy



## Original Color

67.4483, 0.3183, 0.3346

## Achromatopsia

67.2443, 0.3127, 0.3290

## Achromatomaly

67.2937, 0.3148, 0.3312

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 67.4483, 0.3183, 0.3346 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, 214, 209) looks like.

```
.text, #text, p{  
    color:rgb(217, 214, 209)  
}
```

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, 214, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 214, 209) }
```

## Border

The CSS property to change the border of an element to Yxy 67.4483, 0.3183, 0.3346 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, 214, 209) }
```

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

```
.border{ border-color:rgb(217, 214, 209) }
```

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

Here you see how a box with a 4 pixel rgb(217, 214, 209) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 214, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 214, 209);  
box-shadow:4px 4px 4px 4px rgb(217, 214,  
209) }
```



# Background

The CSS property to change the background color of an element to Yxy 67.4483, 0.3183, 0.3346 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 214, 209) }
```

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

```
.background{ background-color: rgb(217,  
214, 209) }
```

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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