

# Converting Colors

Yxy(67.9870, 0.3227, 0.3449)

Have a look what the booklet for  
Yxy(67.9870, 0.3227, 0.3449)  
contains.

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# Color

**Yxy(67.9749, 0.3223, 0.3448)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D8D8CA
RGB	216, 216, 202
RGB Percent	85%, 85%, 79%
CMY	0.1528, 0.1529, 0.2080
CMYK	0.00, 0.00, 0.07, 0.15
HSL	60°, 15%, 82%
HSV	60°, 7%, 85%
XYZ	63.5392, 67.9749, 65.6289
YIQ	214.4040, 4.4940, -4.3540

# Conversions

## Conversions Part 2

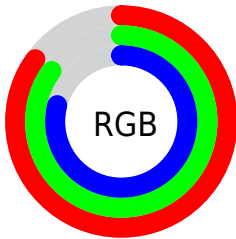
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	202, 216, 202
Decimal	14211274
CIE <sub>Lab</sub>	85.99, -2.44, 6.91
CIE <sub>LCh</sub>	86, 7.326, 109.439
Yxy	67.9749, 0.3223, 0.3448
Android (android.graphics.Color)	4292401354 (0xFFD8D8CA)
YUV	214.4040, -6.1152, 1.3997
Hunter-Lab	82.4469, -6.7178, 10.5171

# Details

The Yxy color **67.9749, 0.3223, 0.3448** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **59.7542, 0.3028, 0.3127**, and the grayscale version is **67.5744, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **35.2049, 0.3244, 0.3483** is the 20% darker color. If you saturate the color by 10%, you get **66.9992, 0.3374, 0.3697**, and if you desaturate by 10%, it is **69.0997, 0.3077, 0.3207**.

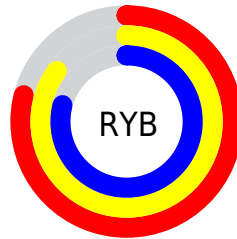
# Distribution



Red (85%)

Green (85%)

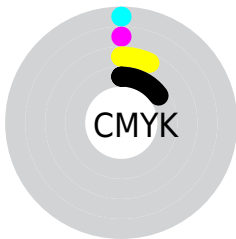
Blue (79%)



Red (79%)

Yellow (85%)

Blue (79%)

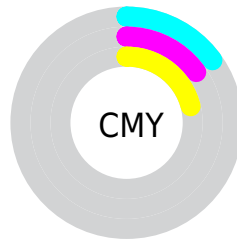


Cyan (0%)

Magenta (0%)

Yellow (7%)

Black (15%)



Cyan (15%)

Magenta (15%)

Yellow (21%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 67.9749, 0.3223, 0.3448 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 67.9749, 0.3223, 0.3448 by changing the saturation by 10% instead.



■ 67.9749, 0.3223,  
0.3448

■ 67.9749, 0.3223,  
0.3448

453.4071, 0.3178,  
0.3374

■ 49.8773, 0.3233,  
0.3465

116.3162, 0.3207,  
0.3422

■ 35.3159, 0.3246,  
0.3487

147.3288, 0.3201,  
0.3412

■ 23.9063, 0.3262,  
0.3515

183.4151, 0.3196,  
0.3403

■ 15.2642, 0.3284,  
0.3551

224.9596, 0.3192,  
0.3396

■ 9.0050, 0.3314,  
0.3603

272.3466, 0.3188,  
0.3389

■ 4.7444, 0.3357,  
0.3678

325.9606, 0.3184,

■ 2.0981, 0.3426,

0.3383

0.3803

386.1860, 0.3181,  
0.3378

0.6636, 0.3874,  
0.4501

0.0000, 0.0000,  
0.0000

67.9749, 0.3223,  
0.3448

67.9749, 0.3223,  
0.3448

66.9992, 0.3374,  
0.3697

69.0997, 0.3077,  
0.3207

66.1580, 0.3526,  
0.3947

70.3704, 0.2938,  
0.2979

65.4477, 0.3674,  
0.4191

71.0131, 0.2879,  
0.2880

64.8617, 0.3812,  
0.4419

71.0392, 0.2879,  
0.2881

64.3923, 0.3935,  
0.4621

71.0652, 0.2879,  
0.2881

64.0315, 0.4037,  
0.4788

71.0913, 0.2879,  
0.2882

63.7698, 0.4114,  
0.4915

71.1174, 0.2879,  
0.2882

63.5965, 0.4165,  
0.4998

71.1435, 0.2879,  
0.2883

63.4977, 0.4191,  
0.5040

71.1696, 0.2879,  
0.2883

# Harmonies

## Analogous

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



67.9749, 0.3285, 0.3425



67.9749, 0.3223, 0.3448



67.9749, 0.3136, 0.3428

# Triad

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



67.9749, 0.3223, 0.3448



67.9749, 0.2953, 0.3210



67.9749, 0.3207, 0.3213

# Complementary

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



67.9749, 0.3223, 0.3448



59.7542, 0.3028, 0.3127

# 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.



67.9749, 0.3117, 0.3158



67.9749, 0.3223, 0.3448



67.9749, 0.2971, 0.3155

# Square

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



67.9749, 0.3223, 0.3448



67.9749, 0.2980, 0.3288



67.9749, 0.3031, 0.3136



67.9749, 0.3276, 0.3289



# Rectangle

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



67.9749, 0.3223, 0.3448



67.9749, 0.3075, 0.3392



67.9749, 0.3031, 0.3136



67.9749, 0.3178, 0.3192

# Sweetspot

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



67.9779, 0.3223, 0.3448



99.6682, 0.3157, 0.3339



61.1046, 0.3235, 0.3288



21.3366, 0.3155, 0.3336



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.



67.9779, 0.3223, 0.3448



98.7245, 0.3246, 0.3487



66.9806, 0.3173, 0.3451



14.5147, 0.3267, 0.3520



37.5589, 0.4197, 0.5049



2.2670, 0.4197, 0.5050



# Inverse Universe

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



59.7542, 0.3028, 0.3127



84.0294, 0.3003, 0.3086



60.7076, 0.3079, 0.3129



12.0134, 0.2981, 0.3049



2.9433, 0.1501, 0.0602

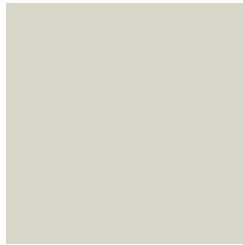


0.1792, 0.1502, 0.0607



# Previews

## White Background



This preview shows how the Yxy color 67.9749, 0.3223, 0.3448 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

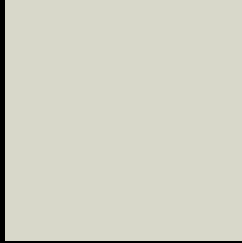
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 67.9749, 0.3223, 0.3448 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

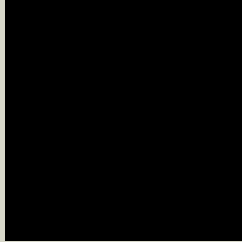
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

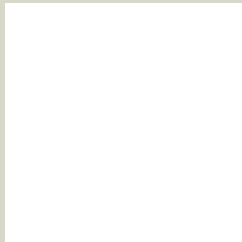
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 67.9749, 0.3223, 0.3448**

## **Background**



This preview shows how black text looks on a background with the Yxy color 67.9749, 0.3223, 0.3448.



This preview shows how white text looks on a background with the Yxy color 67.9749, 0.3223, 0.3448.

# 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

67.9749, 0.3223, 0.3448

### Protanopia

67.8398, 0.3277, 0.3435

### Deuteranopia

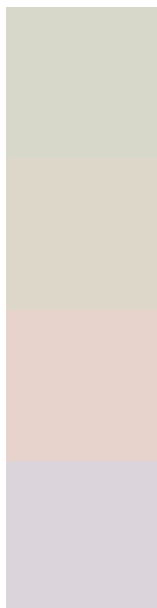
67.9966, 0.3402, 0.3333



## Tritanopia

67.9598, 0.3070, 0.3105

# Trichromacy



## Original Color

67.9749, 0.3223, 0.3448

## Protanomaly

68.0336, 0.3260, 0.3447

## Deuteranomaly

67.8893, 0.3335, 0.3378

## Tritanomaly

67.7630, 0.3130, 0.3224

# Monochromacy



## Original Color

67.9749, 0.3223, 0.3448

## Achromatopsia

67.2443, 0.3127, 0.3290

## Achromatomaly

67.7011, 0.3161, 0.3346

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 67.9749, 0.3223, 0.3448 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(216, 216, 202) looks like.

```
.text, #text, p{  
    color:rgb(216, 216, 202)  
}
```

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(216, 216, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 216, 202) }
```

## Border

The CSS property to change the border of an element to Yxy 67.9749, 0.3223, 0.3448 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(216, 216, 202) }
```

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

```
.border{ border-color:rgb(216, 216, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 216, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 216, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 216, 202);  
box-shadow:4px 4px 4px 4px rgb(216, 216,  
202) }
```



# Background

The CSS property to change the background color of an element to Yxy 67.9749, 0.3223, 0.3448 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 216, 202) }
```

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

```
.background{ background-color: rgb(216,  
216, 202) }
```

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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