

# Converting Colors

$Yxy(67.2740, 0.3274, 0.3523)$

Have a look what the booklet for  
Yxy(67.2740, 0.3274, 0.3523)  
contains.

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# Color

**Yxy(67.1399, 0.3272, 0.3517)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D8D7C3
RGB	216, 215, 195
RGB Percent	85%, 84%, 76%
CMY	0.1531, 0.1568, 0.2353
CMYK	0.00, 0.00, 0.10, 0.15
HSL	57°, 21%, 81%
HSV	57°, 10%, 85%
XYZ	62.4628, 67.1399, 61.2983
YIQ	213.0190, 7.0160, -6.0080

# Conversions

## Conversions Part 2

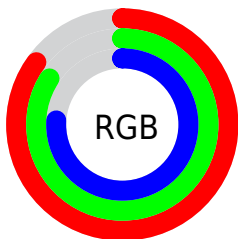
<b>Format</b>	<b>Color</b>
<b>RYB</b>	196, 216, 195
Decimal	14211011
CIELab	85.57, -3.11, 9.99
CIELCh	86, 10.460, 107.316
Yxy	67.1399, 0.3272, 0.3517
Android (android.graphics.Color)	4292401091 (0xFFD8D7C3)
YUV	213.0190, -8.8834, 2.6143
Hunter-Lab	81.9389, -7.3209, 13.0025

# Details

The Yxy color  $67.1399, 0.3272, 0.3517$  is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be  $56.0199, 0.2977, 0.3052$ , and the grayscale version is  $66.6089, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $99.8083, 0.3144, 0.3319$ , and  $34.6418, 0.3310, 0.3575$  is the 20% darker color. If you saturate the color by 10%, you get  $65.7363, 0.3426, 0.3757$ , and if you desaturate by 10%, it is  $68.6937, 0.3123, 0.3283$ .

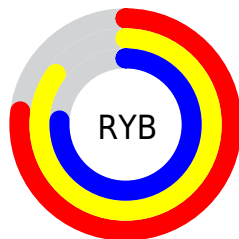
# Distribution



Red (85%)

Green (84%)

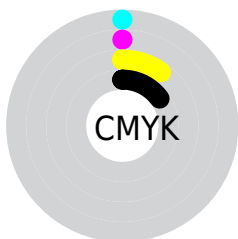
Blue (76%)



Red (77%)

Yellow (85%)

Blue (76%)

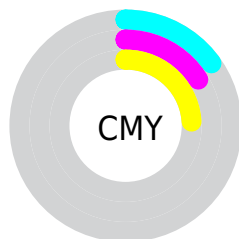


Cyan (0%)

Magenta (0%)

Yellow (10%)

Black (15%)



Cyan (15%)

Magenta (16%)

Yellow (24%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 67.1399, 0.3272, 0.3517 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 67.1399, 0.3272, 0.3517 by changing the saturation by 10% instead.



■ 67.1399, 0.3272,  
0.3517

■ 67.1399, 0.3272,  
0.3517

450.4426, 0.3204,  
0.3410

■ 49.1983, 0.3288,  
0.3542

115.1209, 0.3248,  
0.3479

■ 34.7768, 0.3307,  
0.3573

145.9290, 0.3239,  
0.3465

■ 23.4910, 0.3332,  
0.3614

181.7948, 0.3231,  
0.3452

■ 14.9565, 0.3364,  
0.3667

223.1027, 0.3225,  
0.3442

■ 8.7889, 0.3409,  
0.3741

270.2370, 0.3219,  
0.3432

■ 4.6037, 0.3474,  
0.3852

323.5822, 0.3213,

■ 2.0167, 0.3576,

0.3424

0.4033

383.5226, 0.3209,  
0.3416

0.6171, 0.4528,  
0.5472

0.0000, 0.0000,  
0.0000

67.1399, 0.3272,  
0.3517

67.1399, 0.3272,  
0.3517

65.7363, 0.3426,  
0.3757

68.6937, 0.3123,  
0.3283

64.4680, 0.3582,  
0.3998

70.3946, 0.2982,  
0.3061

63.3314, 0.3735,  
0.4230

71.9381, 0.2879,  
0.2900

62.3197, 0.3877,  
0.4445

72.4494, 0.2879,  
0.2910

61.4251, 0.4005,  
0.4632

72.9636, 0.2880,  
0.2921

60.6390, 0.4110,  
0.4783

73.4809, 0.2880,  
0.2931

59.9517, 0.4191,  
0.4893

74.0013, 0.2881,  
0.2942

59.3517, 0.4244,  
0.4958

74.5247, 0.2881,  
0.2953

58.8190, 0.4275,  
0.4986

75.0511, 0.2881,  
0.2963

# Harmonies

## Analogous

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



67.1399, 0.3358, 0.3478



67.1399, 0.3272, 0.3517



67.1399, 0.3148, 0.3493

# Triad

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



67.1399, 0.3272, 0.3517



67.1399, 0.2879, 0.3181



67.1399, 0.3233, 0.3174

# Complementary

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



67.1399, 0.3272, 0.3517



56.0199, 0.2977, 0.3052

# 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.



67.1399, 0.3102, 0.3098



67.1399, 0.3272, 0.3517



67.1399, 0.2900, 0.3100

# Square

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



67.1399, 0.3272, 0.3517



67.1399, 0.2922, 0.3295



67.1399, 0.2981, 0.3071



67.1399, 0.3336, 0.3280



# Rectangle

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



67.1399, 0.3272, 0.3517



67.1399, 0.3061, 0.3443



67.1399, 0.2981, 0.3071



67.1399, 0.3190, 0.3144

# Sweetspot

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



67.1428, 0.3272, 0.3517



99.2951, 0.3172, 0.3360



57.6141, 0.3289, 0.3278



21.2136, 0.3184, 0.3379



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.



67.1428, 0.3272, 0.3517



97.2981, 0.3309, 0.3574



66.2346, 0.3200, 0.3533



14.4185, 0.3268, 0.3510



34.8617, 0.4274, 0.4988



2.1333, 0.4259, 0.5000



# Inverse Universe

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



56.0199, 0.2977, 0.3052



77.4114, 0.2936, 0.2989



56.8877, 0.3049, 0.3046



12.0984, 0.2981, 0.3060



3.1034, 0.1509, 0.0631

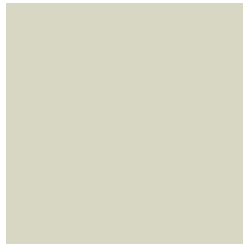


0.2198, 0.1536, 0.0728



# Previews

## White Background



This preview shows how the Yxy color 67.1399, 0.3272, 0.3517 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

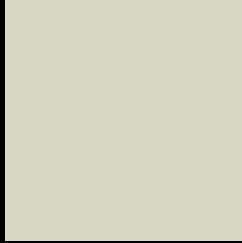
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 67.1399, 0.3272, 0.3517 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

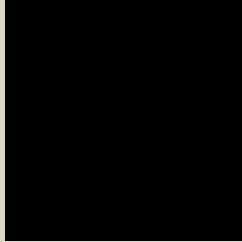
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

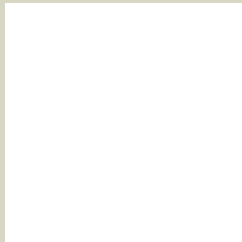
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 67.1399, 0.3272, 0.3517**

## **Background**



This preview shows how black text looks on a background with the Yxy color 67.1399, 0.3272, 0.3517.



This preview shows how white text looks on a background with the Yxy color 67.1399, 0.3272, 0.3517.

# 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

67.1399, 0.3272, 0.3517

### Protanopia

67.0131, 0.3328, 0.3503

### Deuteranopia

66.8746, 0.3466, 0.3387



## Tritanopia

67.0114, 0.3092, 0.3105

# Trichromacy



## Original Color

67.1399, 0.3272, 0.3517

## Protanomaly

67.2038, 0.3311, 0.3515

## Deuteranomaly

66.7423, 0.3397, 0.3433

## Tritanomaly

67.0533, 0.3158, 0.3257

# Monochromacy



## Original Color

67.1399, 0.3272, 0.3517

## Achromatopsia

66.5387, 0.3127, 0.3290

## Achromatomaly

66.8455, 0.3182, 0.3380

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 67.1399, 0.3272, 0.3517 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, 215, 195)` looks like.

```
.text, #text, p{  
    color:rgb(216, 215, 195)  
}
```

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, 215, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 215, 195) }
```

## Border

The CSS property to change the border of an element to Yxy 67.1399, 0.3272, 0.3517 is called "border". The border property can be set on classes, ids or directly on the HTML element.

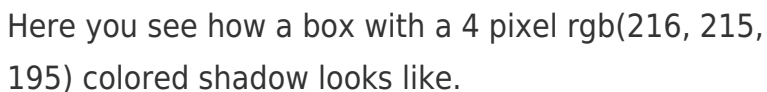
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(216, 215, 195) }
```

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

```
.border{ border-color:rgb(216, 215, 195) }
```

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



Here you see how a box with a 4 pixel `rgb(216, 215, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(216, 215, 195); -webkit-box-shadow:4px 4px 4px 4px rgb(216, 215, 195); box-shadow:4px 4px 4px 4px rgb(216, 215, 195) }
```



# Background

The CSS property to change the background color of an element to Yxy 67.1399, 0.3272, 0.3517 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 215, 195) }
```

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

```
.background{ background-color: rgb(216,  
215, 195) }
```

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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