

# Converting Colors

Yxy(67.0311, 0.3499, 0.3905)

Have a look what the booklet for  
Yxy(67.0311, 0.3499, 0.3905)  
contains.

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# Color

**Yxy(67.0218, 0.3501, 0.3908)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D9D9A3
RGB	217, 217, 163
RGB Percent	85%, 85%, 64%
CMY	0.1490, 0.1490, 0.3607
CMYK	0.00, 0.00, 0.25, 0.15
HSL	60°, 42%, 75%
HSV	60°, 25%, 85%
XYZ	60.0418, 67.0218, 44.4354
YIQ	210.8440, 17.3340, -16.7940

# Conversions

## Conversions Part 2

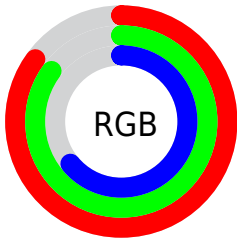
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">163, 217, 163</a>
Decimal	<a href="#">14277027</a>
CIELab	<a href="#">85.51, -8.55, 26.68</a>
CIELCh	<a href="#">86, 28.012, 107.765</a>
Yxy	<a href="#">67.0218, 0.3501, 0.3908</a>
Android (android.graphics.Color)	<a href="#">4292467107 (0xFFD9D9A3)</a>
YUV	<a href="#">210.8440, -23.5871, 5.3988</a>
Hunter-Lab	<a href="#">81.8668, -12.3537, 25.1256</a>

# Details

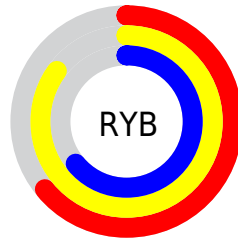
The Yxy color **67.0218, 0.3501, 0.3908** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **39.0051, 0.2702, 0.2587**, and the grayscale version is **65.1864, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.8420, 0.3345, 0.3651**, and **34.6697, 0.3591, 0.4056** is the 20% darker color. If you saturate the color by 10%, you get **66.3120, 0.3650, 0.4154**, and if you desaturate by 10%, it is **67.8711, 0.3349, 0.3657**.

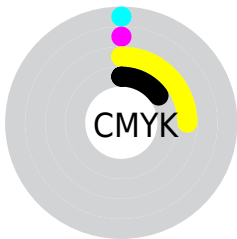
# Distribution



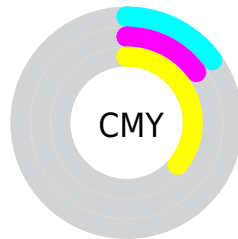
- Red (85%)
- Green (85%)
- Blue (64%)



- Red (64%)
- Yellow (85%)
- Blue (64%)



- Cyan (0%)
- Magenta (0%)
- Yellow (25%)
- Black (15%)




- Cyan (15%)
- Magenta (15%)
- Yellow (36%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 67.0218, 0.3501, 0.3908 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 67.0218, 0.3501, 0.3908 by changing the saturation by 10% instead.




 67.0218, 0.3501,  
0.3908


 67.0218, 0.3501,  
0.3908


450.0224, 0.3330,  
0.3614

 49.1023, 0.3539,  
0.3977


 114.9516, 0.3442,  
0.3805

 34.7007, 0.3586,  
0.4062


 145.7308, 0.3419,  
0.3765

 23.4324, 0.3644,  
0.4171


181.5654, 0.3399,  
0.3731

 14.9131, 0.3716,  
0.4314

222.8397, 0.3382,  
0.3701

 8.7584, 0.3810,  
0.4509

269.9381, 0.3366,  
0.3675

 4.5839, 0.3928,  
0.4786

323.2451, 0.3353,

 2.0053, 0.4382,

0.3653

383.1451, 0.3340,  
0.3632

0.5603

0.6105, 0.3784,  
0.6216

0.0000, 0.0000,  
0.0000

67.0218, 0.3501,  
0.3908

67.0218, 0.3501,  
0.3908

66.3120, 0.3650,  
0.4154

67.8711, 0.3349,  
0.3657

65.7259, 0.3790,  
0.4386

68.8571, 0.3199,  
0.3408

65.2590, 0.3915,  
0.4593

69.9889, 0.3054,  
0.3169

64.9033, 0.4020,  
0.4766

71.2721, 0.2917,  
0.2942

64.6493, 0.4101,  
0.4900

71.6008, 0.2885,  
0.2890

64.4866, 0.4155,  
0.4990

71.6011, 0.2885,  
0.2890

64.4019, 0.4185,  
0.5038

71.6013, 0.2885,  
0.2890

64.3773, 0.4193,  
0.5053

71.6016, 0.2885,  
0.2890

71.6019, 0.2885,  
0.2890

# Harmonies

## Analogous

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



67.0218, 0.3744, 0.3783



67.0218, 0.3501, 0.3908



67.0218, 0.3166, 0.3853

# Triad

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



67.0218, 0.3501, 0.3908



67.0218, 0.2482, 0.2979



67.0218, 0.3410, 0.2991

# Complementary

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



67.0218, 0.3501, 0.3908



39.0051, 0.2702, 0.2587

# Split Complementary

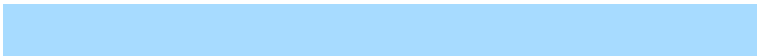
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



67.0218, 0.3058, 0.2800



67.0218, 0.3501, 0.3908



67.0218, 0.2537, 0.2781

# Square

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



67.0218, 0.3501, 0.3908



67.0218, 0.2586, 0.3286



67.0218, 0.2742, 0.2722



67.0218, 0.3695, 0.3255



# Rectangle

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



67.0218, 0.3501, 0.3908



67.0218, 0.2937, 0.3712



67.0218, 0.2742, 0.2722



67.0218, 0.3295, 0.2917

# Sweetspot

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



67.0248, 0.3501, 0.3908



98.9029, 0.3231, 0.3462



43.6351, 0.3640, 0.3281



21.1501, 0.3240, 0.3477



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.



67.0248, 0.3501, 0.3908



96.0133, 0.3582, 0.4042



63.3387, 0.3299, 0.3950



15.2638, 0.3267, 0.3521



38.9690, 0.4193, 0.5053



2.5246, 0.4193, 0.5053



# Inverse Universe

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



39.0051, 0.2702, 0.2587



48.7851, 0.2594, 0.2408



42.0488, 0.2915, 0.2628



12.6173, 0.2981, 0.3048



3.0327, 0.1500, 0.0600

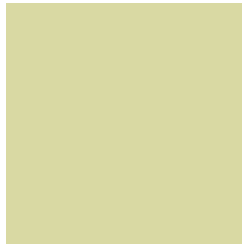


0.1965, 0.1500, 0.0600



# Previews

## White Background



This preview shows how the Yxy color 67.0218, 0.3501, 0.3908 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

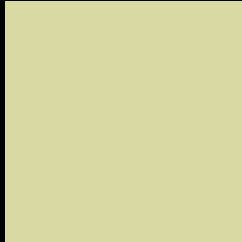
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 67.0218, 0.3501, 0.3908 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

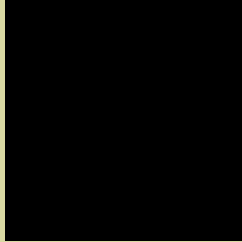
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

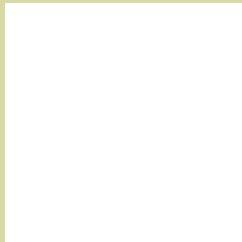
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 67.0218, 0.3501, 0.3908**

## **Background**



This preview shows how black text looks on a background with the Yxy color 67.0218, 0.3501, 0.3908.



This preview shows how white text looks on a background with the Yxy color 67.0218, 0.3501, 0.3908.

# 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

67.0218, 0.3501, 0.3908

### Protanopia

66.8197, 0.3622, 0.3870

### Deuteranopia

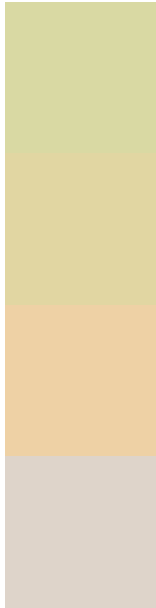
66.7398, 0.3780, 0.3703



## Tritanopia

67.0447, 0.3135, 0.3117

# Trichromacy



**Original Color**

67.0218, 0.3501, 0.3908

**Protanomaly**

66.7093, 0.3580, 0.3875

**Deuteranomaly**

66.4947, 0.3677, 0.3770

**Tritanomaly**

66.8808, 0.3272, 0.3402

# Monochromacy



**Original Color**

67.0218, 0.3501, 0.3908

**Achromatopsia**

65.1406, 0.3127, 0.3290

**Achromatomaly**

65.6297, 0.3259, 0.3508

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 67.0218, 0.3501, 0.3908 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, 217, 163)` looks like.

```
.text, #text, p{  
    color:rgb(217, 217, 163)  
}
```

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, 217, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 217, 163) }
```

## Border

The CSS property to change the border of an element to Yxy 67.0218, 0.3501, 0.3908 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, 217, 163) }
```

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

```
.border{ border-color:rgb(217, 217, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 217, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 217, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 217, 163);  
box-shadow:4px 4px 4px 4px rgb(217, 217,  
163) }
```



# Background

The CSS property to change the background color of an element to Yxy 67.0218, 0.3501, 0.3908 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 217, 163) }
```

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

```
.background{ background-color: rgb(217,  
217, 163) }
```

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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