

# Converting Colors

Yxy(68.7507, 0.3315, 0.3751)

Have a look what the booklet for  
Yxy(68.7507, 0.3315, 0.3751)  
contains.

<b>Yxy(68.7507, 0.3315, 0.3751)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(68.7507, 0.3315, 0.3751)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D2DDB5
RGB	210, 221, 181
RGB Percent	82%, 87%, 71%
CMY	0.1767, 0.1332, 0.2902
CMYK	0.05, 0.00, 0.18, 0.13
HSL	77°, 37%, 79%
HSV	77°, 18%, 87%
XYZ	60.7594, 68.7507, 53.7762
YIQ	213.1510, 6.2840, -14.7720

# Conversions

## Conversions Part 2

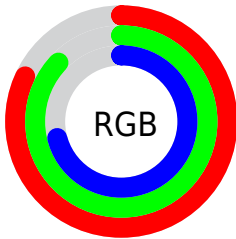
<b>Format</b>	<b>Color</b>
<b>RYB</b>	181, 221, 192
Decimal	13819317
CIELab	86.38, -10.58, 18.43
CIElCh	86, 21.246, 119.851
Yxy	68.7507, 0.3315, 0.3751
Android (android.graphics.Color)	4292009397 (0xFFD2DDB5)
YUV	213.1510, -15.8504, -2.7634
Hunter-Lab	82.9160, -14.3014, 19.5880

# Details

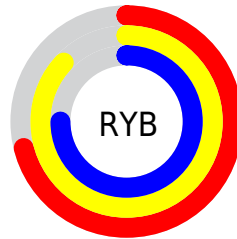
The Yxy color **68.7507, 0.3315, 0.3751** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **49.4817, 0.2915, 0.2810**, and the grayscale version is **66.7451, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.8944, 0.3232, 0.3464**, and **35.7995, 0.3355, 0.3868** is the 20% darker color. If you saturate the color by 10%, you get **67.0358, 0.3417, 0.4022**, and if you desaturate by 10%, it is **70.6500, 0.3211, 0.3490**.

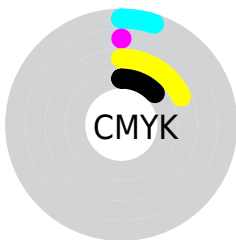
# Distribution



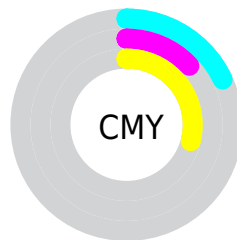
- Red (82%)
- Green (87%)
- Blue (71%)



- Red (71%)
- Yellow (87%)
- Blue (75%)



- Cyan (5%)
- Magenta (0%)
- Yellow (18%)
- Black (13%)




- Cyan (18%)
- Magenta (13%)
- Yellow (29%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 68.7507, 0.3315, 0.3751 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 68.7507, 0.3315, 0.3751 by changing the saturation by 10% instead.




 68.7507, 0.3315,  
0.3751

 68.7507, 0.3315,  
0.3751


456.1512, 0.3230,  
0.3531

 50.5087, 0.3334,  
0.3803


 117.4254, 0.3286,  
0.3674

 35.8178, 0.3357,  
0.3867


148.6270, 0.3274,  
0.3644

 24.2935, 0.3386,  
0.3951


184.9171, 0.3264,  
0.3618

 15.5515, 0.3422,  
0.4061

226.6803, 0.3256,  
0.3596

 9.2073, 0.3470,  
0.4216

274.3009, 0.3248,  
0.3577

 4.8767, 0.3532,  
0.4444

328.1633, 0.3241,

 2.1751, 0.3632,

0.3560

0.4841

388.6520, 0.3235,  
0.3545

0.7064, 0.3691,  
0.6309

0.0000, 0.0000,  
0.0000

68.7507, 0.3315,  
0.3751

68.7507, 0.3315,  
0.3751

67.0358, 0.3417,  
0.4022

70.6500, 0.3211,  
0.3490

65.4890, 0.3514,  
0.4296


72.7313, 0.3108,  
0.3245


64.1057, 0.3599,  
0.4563


75.0040, 0.3009,  
0.3018

62.8776, 0.3668,  
0.4812


76.5116, 0.3002,  
0.2945

 61.7952, 0.3716,  
0.5031


 77.5688, 0.3044,  
0.2950


 60.8482, 0.3739,  
0.5209


 78.6622, 0.3085,  
0.2954

 60.0243, 0.3737,  
0.5341

 79.7921, 0.3127,  
0.2958

 59.3060, 0.3712,  
0.5426

 80.2065, 0.3143,  
0.2960

 59.1775, 0.3706,  
0.5440

# Harmonies

## Analogous

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



68.7507, 0.3532, 0.3715



68.7507, 0.3315, 0.3751



68.7507, 0.3054, 0.3650

# Triad

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



68.7507, 0.3315, 0.3751



68.7507, 0.2637, 0.2986



68.7507, 0.3437, 0.3140

# Complementary

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



68.7507, 0.3315, 0.3751



49.4817, 0.2915, 0.2810

# 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.



68.7507, 0.3185, 0.2965



68.7507, 0.3315, 0.3751



68.7507, 0.2729, 0.2872

# Square

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



68.7507, 0.3315, 0.3751



68.7507, 0.2670, 0.3192



68.7507, 0.2926, 0.2868



68.7507, 0.3607, 0.3357



# Rectangle

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



68.7507, 0.3315, 0.3751



68.7507, 0.2890, 0.3518



68.7507, 0.2926, 0.2868



68.7507, 0.3359, 0.3075

# Sweetspot

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



68.7537, 0.3315, 0.3751



98.5419, 0.3179, 0.3413



56.2639, 0.3456, 0.3415



21.0493, 0.3186, 0.3431



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

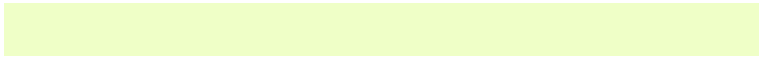


# Same Dimension

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



68.7537, 0.3315, 0.3751



94.0689, 0.3357, 0.3860



66.0518, 0.3171, 0.3772



15.0731, 0.3224, 0.3524



34.4273, 0.3713, 0.5433



2.2725, 0.3795, 0.5369



# Inverse Universe

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



49.4817, 0.2915, 0.2810



62.3840, 0.2860, 0.2691



52.2145, 0.3072, 0.2832



12.7909, 0.3024, 0.3051



3.6622, 0.1678, 0.0698

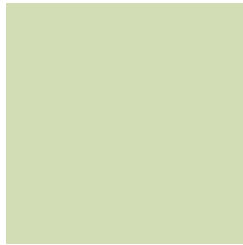


0.2799, 0.1852, 0.0794



# Previews

## White Background



This preview shows how the Yxy color 68.7507, 0.3315, 0.3751 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

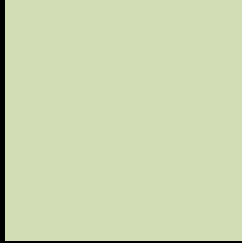
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 68.7507, 0.3315, 0.3751 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

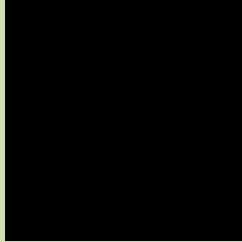
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

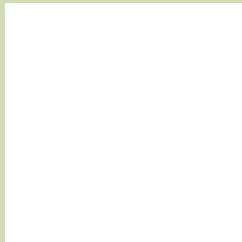
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 68.7507, 0.3315, 0.3751**

## **Background**



This preview shows how black text looks on a background with the Yxy color 68.7507, 0.3315, 0.3751.



This preview shows how white text looks on a background with the Yxy color 68.7507, 0.3315, 0.3751.

# 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

68.7507, 0.3315, 0.3751

### Protanopia

68.3092, 0.3486, 0.3701

### Deuteranopia

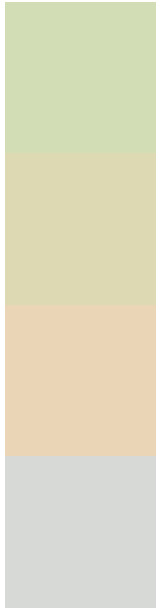
68.5289, 0.3616, 0.3545



## Tritanopia

68.6144, 0.3035, 0.3105

# Trichromacy



**Original Color**

68.7507, 0.3315, 0.3751

**Protanomaly**

68.2525, 0.3420, 0.3719

**Deuteranomaly**

68.4998, 0.3501, 0.3619

**Tritanomaly**

68.7259, 0.3132, 0.3335

# Monochromacy



**Original Color**

68.7507, 0.3315, 0.3751

**Achromatopsia**

66.5387, 0.3127, 0.3290

**Achromatomaly**

67.3258, 0.3200, 0.3461

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 68.7507, 0.3315, 0.3751 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(210, 221, 181)` looks like.

```
.text, #text, p{  
    color:rgb(210, 221, 181)  
}
```

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(210, 221, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 221, 181) }
```

## Border

The CSS property to change the border of an element to Yxy 68.7507, 0.3315, 0.3751 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(210, 221, 181) }
```

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

```
.border{ border-color:rgb(210, 221, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 221, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 221, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 221, 181);  
box-shadow:4px 4px 4px 4px rgb(210, 221,  
181) }
```



# Background

The CSS property to change the background color of an element to Yxy 68.7507, 0.3315, 0.3751 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 221, 181) }
```

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

```
.background{ background-color: rgb(210,  
221, 181) }
```

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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