

# Converting Colors

$Y_{xy}(58.1270, 0.3439, 0.3978)$

Have a look what the booklet for  
Yxy(58.1270, 0.3439, 0.3978)  
contains.

<b>Yxy(57.9791, 0.3437, 0.3972)</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(57.9791, 0.3437, 0.3972)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C3CE97
RGB	195, 206, 151
RGB Percent	76%, 81%, 59%
CMY	0.2351, 0.1922, 0.4079
CMYK	0.05, 0.00, 0.27, 0.19
HSL	72°, 36%, 70%
HSV	72°, 27%, 81%
XYZ	50.1697, 57.9791, 37.8207
YIQ	196.4410, 11.0990, -19.4370

# Conversions

## Conversions Part 2

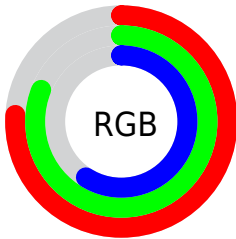
<b>Format</b>	<b>Color</b>
<b>RYB</b>	151, 206, 162
Decimal	12832407
CIELab	80.73, -12.84, 26.18
CIELCh	81, 29.162, 116.131
Yxy	57.9791, 0.3437, 0.3972
Android (android.graphics.Color)	4291022487 (0xFFC3CE97)
YUV	196.4410, -22.4024, -1.2638
Hunter-Lab	76.1440, -15.6420, 23.8515

# Details

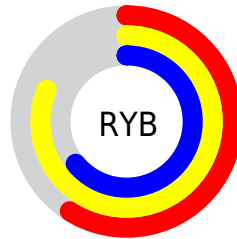
The Yxy color  $57.9791, 0.3437, 0.3972$  is a light color, and the websafe version is hex `CCCC99`. A complement of this color would be  $34.2624, 0.2760, 0.2549$ , and the grayscale version is  $55.6171, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $96.6717, 0.3398, 0.3774$ , and  $29.0393, 0.3506, 0.4153$  is the 20% darker color. If you saturate the color by 10%, you get  $56.8306, 0.3548, 0.4237$ , and if you desaturate by 10%, it is  $59.2647, 0.3321, 0.3709$ .

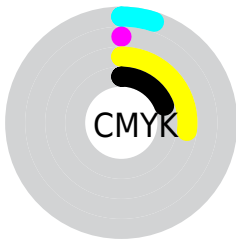
# Distribution



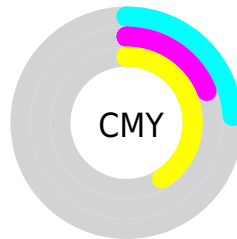
- Red (76%)
- Green (81%)
- Blue (59%)



- Red (59%)
- Yellow (81%)
- Blue (64%)



- Cyan (5%)
- Magenta (0%)
- Yellow (27%)
- Black (19%)




- Cyan (24%)
- Magenta (19%)
- Yellow (41%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 57.9791, 0.3437, 0.3972 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 57.9791, 0.3437, 0.3972 by changing the saturation by 10% instead.





 57.9791, 0.3437,  
0.3972

 57.9791, 0.3437,  
0.3972


417.1081, 0.3294,  
0.3637

 41.7918, 0.3469,  
0.4053


 101.8924, 0.3388,  
0.3852

 28.9383, 0.3508,  
0.4157


 130.3873, 0.3368,  
0.3806

 19.0342, 0.3556,  
0.4291


163.7535, 0.3352,  
0.3767

 11.6950, 0.3615,  
0.4472

202.3754, 0.3337,  
0.3734

 6.5363, 0.3688,  
0.4728

246.6374, 0.3324,  
0.3705

 3.1739, 0.3786,  
0.5134

296.9239, 0.3313,

 1.2232, 0.3999,

0.3679

0.6001

353.6193, 0.3303,  
0.3657

■ 0.0805, 0.0000,  
1.0000

■ 0.0000, 0.0000,  
0.0000

■ 57.9791, 0.3437,  
0.3972

■ 57.9791, 0.3437,  
0.3972

■ 56.8306, 0.3548,  
0.4237

■ 59.2647, 0.3321,  
0.3709

■ 55.8053, 0.3649,  
0.4493


■ 60.6855, 0.3204,  
0.3454

■ 54.8990, 0.3735,  
0.4731


■ 62.2493, 0.3090,  
0.3212


■ 54.1042, 0.3801,  
0.4939


■ 63.9614, 0.2980,  
0.2987

 53.4126, 0.3842,  
0.5108


 65.8265, 0.2877,  
0.2779


 52.8143, 0.3857,  
0.5231


 66.5225, 0.2899,  
0.2774

 52.2965, 0.3848,  
0.5310

 67.1693, 0.2928,  
0.2778

 52.1358, 0.3843,  
0.5331

 67.8319, 0.2956,  
0.2782

 68.5104, 0.2985,  
0.2787

# Harmonies

## Analogous

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



57.9791, 0.3741, 0.3881



57.9791, 0.3437, 0.3972



57.9791, 0.3061, 0.3854

# Triad

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



57.9791, 0.3437, 0.3972



57.9791, 0.2425, 0.2874



57.9791, 0.3535, 0.3038

# Complementary

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



57.9791, 0.3437, 0.3972



34.2624, 0.2760, 0.2549

# 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.



57.9791, 0.3158, 0.2805



57.9791, 0.3437, 0.3972



57.9791, 0.2532, 0.2702

# Square

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



57.9791, 0.3437, 0.3972



57.9791, 0.2490, 0.3182



57.9791, 0.2793, 0.2683



57.9791, 0.3807, 0.3337



# Rectangle

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



57.9791, 0.3437, 0.3972



57.9791, 0.2822, 0.3667



57.9791, 0.2793, 0.2683



57.9791, 0.3415, 0.2951

# Sweetspot

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



57.9817, 0.3437, 0.3972



97.9925, 0.3220, 0.3489



40.8714, 0.3664, 0.3420



20.8973, 0.3238, 0.3527



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.



57.9817, 0.3437, 0.3972



92.8593, 0.3501, 0.4123



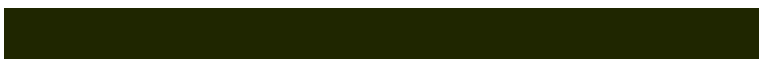
54.7442, 0.3223, 0.4020



12.9795, 0.3235, 0.3521



32.1467, 0.3848, 0.5327



1.6879, 0.3919, 0.5270



# Inverse Universe

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



34.2624, 0.2760, 0.2549



48.1633, 0.2665, 0.2368



37.3514, 0.2997, 0.2598



10.9498, 0.3013, 0.3053



3.0676, 0.1603, 0.0657



0.1907, 0.1791, 0.0760



# Previews

## White Background



This preview shows how the Yxy color 57.9791, 0.3437, 0.3972 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

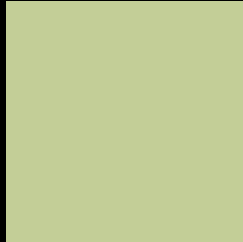
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 57.9791, 0.3437, 0.3972 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

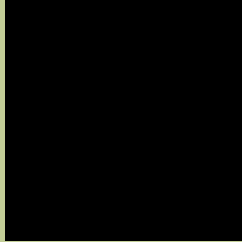
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 57.9791, 0.3437, 0.3972**

## **Background**



This preview shows how black text looks on a background with the Yxy color 57.9791, 0.3437, 0.3972.



This preview shows how white text looks on a background with the Yxy color 57.9791, 0.3437, 0.3972.

# 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

57.9791, 0.3437, 0.3972

### Protanopia

57.8937, 0.3644, 0.3905

### Deuteranopia

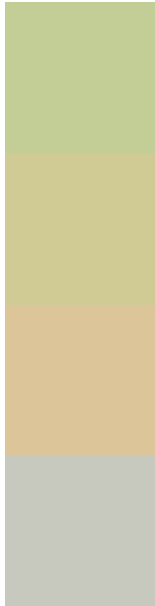
57.6945, 0.3797, 0.3716



## Tritanopia

57.8888, 0.3058, 0.3115

# Trichromacy



**Original Color**

57.9791, 0.3437, 0.3972

**Protanomaly**

57.8209, 0.3570, 0.3928

**Deuteranomaly**

57.4481, 0.3658, 0.3805

**Tritanomaly**

57.7704, 0.3199, 0.3423

# Monochromacy



**Original Color**

57.9791, 0.3437, 0.3972

**Achromatopsia**

55.2011, 0.3127, 0.3290

**Achromatomaly**

56.3396, 0.3242, 0.3536

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 57.9791, 0.3437, 0.3972 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(195, 206, 151)` looks like.

```
.text, #text, p{  
    color:rgb(195, 206, 151)  
}
```

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(195, 206, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 206, 151) }
```

## Border

The CSS property to change the border of an element to Yxy 57.9791, 0.3437, 0.3972 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(195, 206, 151) }
```

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

```
.border{ border-color:rgb(195, 206, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(195, 206, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 206, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 206, 151);  
box-shadow:4px 4px 4px 4px rgb(195, 206,  
151) }
```



# Background

The CSS property to change the background color of an element to Yxy 57.9791, 0.3437, 0.3972 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 206, 151) }
```

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

```
.background{ background-color: rgb(195,  
206, 151) }
```

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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