

# Converting Colors

$Yxy(49.4016, 0.3655, 0.4329)$

Have a look what the booklet for  
Yxy(49.4016, 0.3655, 0.4329)  
contains.

<b>Yxy(49.5225, 0.3658, 0.4332)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(49.5225, 0.3658, 0.4332)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B8C171
RGB	184, 193, 113
RGB Percent	72%, 76%, 44%
CMY	0.2784, 0.2431, 0.5568
CMYK	0.05, 0.00, 0.41, 0.24
HSL	67°, 39%, 60%
HSV	67°, 41%, 76%
XYZ	41.8175, 49.5225, 22.9779
YIQ	181.1890, 20.3160, -26.7880

# Conversions

## Conversions Part 2

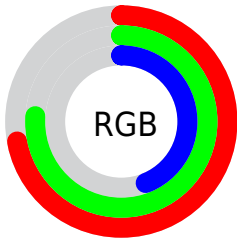
<b>Format</b>	<b>Color</b>
<b>RYB</b>	113, 193, 122
Decimal	12108145
CIELab	75.78, -15.30, 39.16
CIELCh	76, 42.042, 111.337
Yxy	49.5225, 0.3658, 0.4332
Android (android.graphics.Color)	4290298225 (0xFFB8C171)
YUV	181.1890, -33.6172, 2.4652
Hunter-Lab	70.3722, -17.0809, 29.9012

# Details

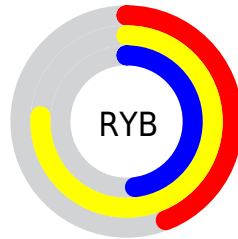
The Yxy color **49.5225, 0.3658, 0.4332** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **19.7998, 0.2444, 0.2054**, and the grayscale version is **46.4942, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.2053, 0.3575, 0.4140**, and **23.8609, 0.3774, 0.4622** is the 20% darker color. If you saturate the color by 10%, you get **48.8689, 0.3768, 0.4566**, and if you desaturate by 10%, it is **50.2771, 0.3536, 0.4082**.

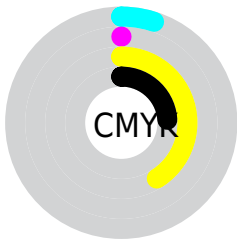
# Distribution



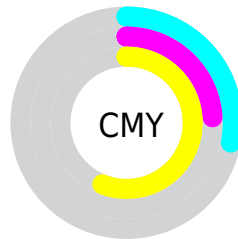
- Red (72%)
- Green (76%)
- Blue (44%)



- Red (44%)
- Yellow (76%)
- Blue (48%)



- Cyan (5%)
- Magenta (0%)
- Yellow (41%)
- Black (24%)




- Cyan (28%)
- Magenta (24%)
- Yellow (56%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 49.5225, 0.3658, 0.4332 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 49.5225, 0.3658, 0.4332 by changing the saturation by 10% instead.





 49.5225, 0.3658,  
0.4332


 49.5225, 0.3658,  
0.4332


384.7957, 0.3412,  
0.3809

 35.0341, 0.3711,  
0.4460


 89.4670, 0.3575,  
0.4143

 23.6892, 0.3772,  
0.4621


 115.6919, 0.3542,  
0.4072

 15.1032, 0.3843,  
0.4828


 146.5978, 0.3513,  
0.4011

 8.8919, 0.3918,  
0.5100

 182.5691, 0.3488,  
0.3959

 4.6707, 0.4029,  
0.5533

223.9901, 0.3465,  
0.3914

 2.0554, 0.3998,  
0.6002

271.2453, 0.3446,

 0.6394, 0.2681,

0.3875

0.7319

324.7190, 0.3428,  
0.3840

0.0000, 0.0000,  
0.0000

49.5225, 0.3658,  
0.4332

49.5225, 0.3658,  
0.4332

48.8689, 0.3768,  
0.4566

50.2771, 0.3536,  
0.4082

48.3037, 0.3861,  
0.4774

51.1315, 0.3406,  
0.3825

47.8226, 0.3931,  
0.4946


52.0928, 0.3275,  
0.3571


47.4179, 0.3976,  
0.5077

53.1658, 0.3146,  
0.3325


47.0806, 0.3995,  
0.5163


54.3547, 0.3021,  
0.3092

 46.8312, 0.3996,  
0.5209

 55.6638, 0.2903,  
0.2874

 57.0970, 0.2793,  
0.2674

 57.8328, 0.2766,  
0.2609

 58.1369, 0.2781,  
0.2612

# Harmonies

## Analogous

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



49.5225, 0.4097, 0.4110



49.5225, 0.3658, 0.4332



49.5225, 0.3100, 0.4229

# Triad

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



49.5225, 0.3658, 0.4332



49.5225, 0.2096, 0.2710



49.5225, 0.3657, 0.2851

# Complementary

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



49.5225, 0.3658, 0.4332



19.7998, 0.2444, 0.2054

# 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.



49.5225, 0.3069, 0.2542



49.5225, 0.3658, 0.4332



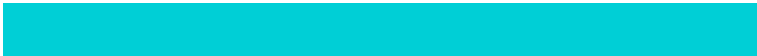
49.5225, 0.2210, 0.2441

# Square

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



49.5225, 0.3658, 0.4332



49.5225, 0.2220, 0.3194



49.5225, 0.2549, 0.2393



49.5225, 0.4117, 0.3264



# Rectangle

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



49.5225, 0.3658, 0.4332



49.5225, 0.2737, 0.3960



49.5225, 0.2549, 0.2393



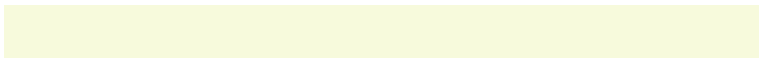
49.5225, 0.3465, 0.2734

# Sweetspot

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



49.5247, 0.3658, 0.4332



93.1594, 0.3285, 0.3589



26.2061, 0.4130, 0.3402



19.9353, 0.3302, 0.3622



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290



# Same Dimension

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



49.5247, 0.3658, 0.4332



87.5926, 0.3761, 0.4551



45.3547, 0.3317, 0.4460



11.6989, 0.3248, 0.3519



31.1683, 0.3999, 0.5207



1.3634, 0.4045, 0.5170



# Inverse Universe

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



19.7998, 0.2444, 0.2054



27.0409, 0.2258, 0.1734



23.2390, 0.2830, 0.2176



9.8011, 0.3000, 0.3053



2.6903, 0.1545, 0.0625



0.1347, 0.1687, 0.0703



# Previews

## White Background



This preview shows how the Yxy color 49.5225, 0.3658, 0.4332 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 49.5225, 0.3658, 0.4332 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

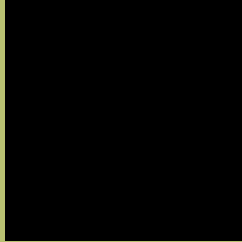
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 49.5225, 0.3658, 0.4332**

## Background



This preview shows how black text looks on a background with the Yxy color 49.5225, 0.3658, 0.4332.



This preview shows how white text looks on a background with the Yxy color 49.5225, 0.3658, 0.4332.

# 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

49.5225, 0.3658, 0.4332

### Protanopia

49.5257, 0.3884, 0.4223

### Deuteranopia

49.1093, 0.4089, 0.4006



## Tritanopia

49.3675, 0.3110, 0.3117

# Trichromacy



## Original Color

49.5225, 0.3658, 0.4332

## Protanomaly

49.4354, 0.3802, 0.4257

## Deuteranomaly

48.8064, 0.3930, 0.4115

## Tritanomaly

49.2410, 0.3318, 0.3561

# Monochromacy



## Original Color

49.5225, 0.3658, 0.4332

## Achromatopsia

46.2077, 0.3127, 0.3290

## Achromatomaly

47.0433, 0.3332, 0.3676

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 49.5225, 0.3658, 0.4332 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(184, 193, 113)` looks like.

```
.text, #text, p{  
    color:rgb(184, 193, 113)  
}
```

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(184, 193, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 193, 113) }
```

## Border

The CSS property to change the border of an element to Yxy 49.5225, 0.3658, 0.4332 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(184, 193, 113) }
```

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

```
.border{ border-color:rgb(184, 193, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 193, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 193, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 193, 113);  
box-shadow:4px 4px 4px 4px rgb(184, 193,  
113) }
```



# Background

The CSS property to change the background color of an element to Yxy 49.5225, 0.3658, 0.4332 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 193, 113) }
```

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

```
.background{ background-color: rgb(184,  
193, 113) }
```

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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