

# Converting Colors

Yxy(50.7634, 0.3420, 0.4284)

Have a look what the booklet for  
Yxy(50.7634, 0.3420, 0.4284)  
contains.

<b>Yxy(50.7625, 0.3422, 0.4290)</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(50.7625, 0.3422, 0.4290)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	A9C77D
RGB	169, 199, 125
RGB Percent	66%, 78%, 49%
CMY	0.3372, 0.2196, 0.5097
CMYK	0.15, 0.00, 0.37, 0.22
HSL	84°, 40%, 64%
HSV	84°, 37%, 78%
XYZ	40.4917, 50.7625, 27.0733
YIQ	181.5940, 5.8740, -29.3740

# Conversions

## Conversions Part 2

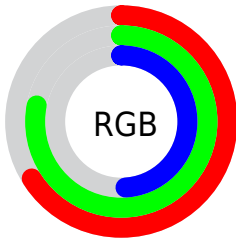
<b>Format</b>	<b>Color</b>
<b>RYB</b>	125, 199, 155
Decimal	11126653
CIELab	76.53, -22.63, 33.78
CIELCh	77, 40.661, 123.825
Yxy	50.7625, 0.3422, 0.4290
Android (android.graphics.Color)	4289316733 (0xFFA9C77D)
YUV	181.5940, -27.9008, -11.0449
Hunter-Lab	71.2478, -23.2382, 27.3440

# Details

The Yxy color **50.7625, 0.3422, 0.4290** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **25.7654, 0.2727, 0.2254**, and the grayscale version is **46.7028, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.7419, 0.3382, 0.4101**, and **24.4718, 0.3478, 0.4577** is the 20% darker color. If you saturate the color by 10%, you get **49.4412, 0.3486, 0.4575**, and if you desaturate by 10%, it is **52.2452, 0.3348, 0.4005**.

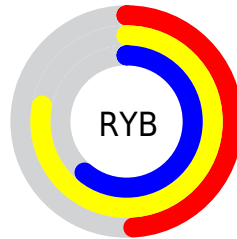
# Distribution



Red (66%)

Green (78%)

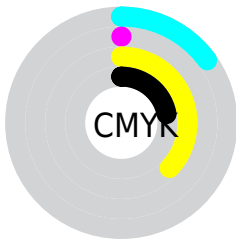
Blue (49%)



Red (49%)

Yellow (78%)

Blue (61%)

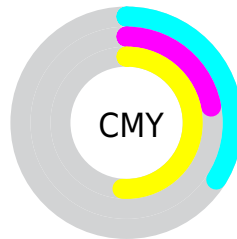


Cyan (15%)

Magenta (0%)

Yellow (37%)

Black (22%)



Cyan (34%)

Magenta (22%)


Yellow (51%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 50.7625, 0.3422, 0.4290 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 50.7625, 0.3422, 0.4290 by changing the saturation by 10% instead.





 50.7625, 0.3422,  
0.4290


 50.7625, 0.3422,  
0.4290

389.6403, 0.3292,  
0.3780


 36.0196, 0.3448,  
0.4418


 91.3036, 0.3379,  
0.4104

 24.4494, 0.3477,  
0.4583


 117.8706, 0.3362,  
0.4034

 15.6673, 0.3507,  
0.4800


 149.1479, 0.3347,  
0.3975

 9.2890, 0.3533,  
0.5098

185.5196, 0.3333,  
0.3925

 4.9302, 0.3537,  
0.5525

227.3704, 0.3321,  
0.3881

 2.2064, 0.3592,  
0.6408

275.0845, 0.3310,

 0.7235, 0.1573,

0.3843

0.8427

329.0463, 0.3301,  
0.3810

0.0000, 0.0000,  
0.0000

50.7625, 0.3422,  
0.4290

50.7625, 0.3422,  
0.4290

49.4412, 0.3486,  
0.4575

52.2452, 0.3348,  
0.4005

48.2674, 0.3534,  
0.4848

53.8892, 0.3268,  
0.3728

47.2357, 0.3564,  
0.5096


55.7028, 0.3186,  
0.3466


46.3373, 0.3570,  
0.5305

57.6918, 0.3104,  
0.3223

45.5622, 0.3552,  
0.5466


59.8616, 0.3025,  
0.3001

 44.8971, 0.3513,  
0.5576

 62.2175, 0.2950,  
0.2799

 44.7227, 0.3501,  
0.5603

 64.1494, 0.2938,  
0.2705

 65.4799, 0.2996,  
0.2715

 66.8725, 0.3054,  
0.2725

# Harmonies

## Analogous

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



50.7625, 0.3908, 0.4197



50.7625, 0.3422, 0.4290



50.7625, 0.2881, 0.4042

# Triad

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



50.7625, 0.3422, 0.4290



50.7625, 0.2152, 0.2599



50.7625, 0.3845, 0.3025

# Complementary

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



50.7625, 0.3422, 0.4290



25.7654, 0.2727, 0.2254

# 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.



50.7625, 0.3309, 0.2678



50.7625, 0.3422, 0.4290



50.7625, 0.2355, 0.2428

# Square

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



50.7625, 0.3422, 0.4290



50.7625, 0.2176, 0.2985



50.7625, 0.2763, 0.2464



50.7625, 0.4181, 0.3447



# Rectangle

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



50.7625, 0.3422, 0.4290



50.7625, 0.2563, 0.3715



50.7625, 0.2763, 0.2464



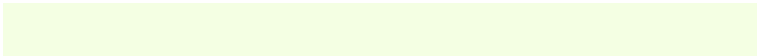
50.7625, 0.3680, 0.2898

# Sweetspot

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



50.7647, 0.3422, 0.4290



96.2308, 0.3219, 0.3569



36.9375, 0.3878, 0.3681



20.5036, 0.3230, 0.3604



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

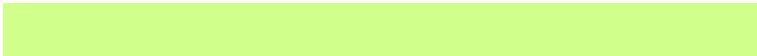


# Same Dimension

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



50.7647, 0.3422, 0.4290



86.9031, 0.3477, 0.4532



47.2670, 0.3129, 0.4387



12.1944, 0.3204, 0.3523



28.8104, 0.3509, 0.5596



1.4057, 0.3651, 0.5483



# Inverse Universe

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



25.7654, 0.2727, 0.2254



36.5828, 0.2608, 0.1992



29.9512, 0.3094, 0.2359



10.4938, 0.3045, 0.3056



3.8145, 0.1862, 0.0799



0.2227, 0.2105, 0.0933



# Previews

## White Background



This preview shows how the Yxy color 50.7625, 0.3422, 0.4290 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 50.7625, 0.3422, 0.4290 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 50.7625, 0.3422, 0.4290**

## **Background**



This preview shows how black text looks on a background with the Yxy color 50.7625, 0.3422, 0.4290.



This preview shows how white text looks on a background with the Yxy color 50.7625, 0.3422, 0.4290.

# 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

50.7625, 0.3422, 0.4290

### Protanopia

50.3261, 0.3812, 0.4116

### Deuteranopia

50.2350, 0.3969, 0.3884



## Tritanopia

50.4581, 0.2945, 0.3101

# Trichromacy



## Original Color

50.7625, 0.3422, 0.4290

## Protanomaly

50.3109, 0.3669, 0.4185

## Deuteranomaly

50.0783, 0.3761, 0.4021

## Tritanomaly

50.4652, 0.3124, 0.3526

# Monochromacy



## Original Color

50.7625, 0.3422, 0.4290

## Achromatopsia

46.7784, 0.3127, 0.3290

## Achromatomaly

47.8868, 0.3244, 0.3651

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 50.7625, 0.3422, 0.4290 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(169, 199, 125)` looks like.

```
.text, #text, p{  
    color:rgb(169, 199, 125)  
}
```

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(169, 199, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 199, 125) }
```

## Border

The CSS property to change the border of an element to Yxy 50.7625, 0.3422, 0.4290 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(169, 199, 125) }
```

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

```
.border{ border-color:rgb(169, 199, 125) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 199, 125)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 199, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 199, 125);  
box-shadow:4px 4px 4px 4px rgb(169, 199,  
125) }
```



# Background

The CSS property to change the background color of an element to Yxy 50.7625, 0.3422, 0.4290 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 199, 125) }
```

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

```
.background{ background-color: rgb(169,  
199, 125) }
```

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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