

# Converting Colors

$Yxy(44.2421, 0.3024, 0.4116)$

Have a look what the booklet for  
Yxy(44.2421, 0.3024, 0.4116)  
contains.

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# Color

**Yxy(44.2014, 0.3021, 0.4110)**

# Conversions

## Conversions Part 1

Format	Color
Hex	81C08A
RGB	129, 192, 138
RGB Percent	51%, 75%, 54%
CMY	0.4941, 0.2470, 0.4589
CMYK	0.33, 0.00, 0.28, 0.25
HSL	129°, 33%, 63%
HSV	129°, 33%, 75%
XYZ	32.4896, 44.2014, 30.8549
YIQ	167.0070, -20.2140, -30.1500

# Conversions

## Conversions Part 2

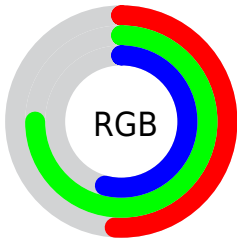
Format	Color
<a href="#">RYB</a>	<a href="#">129, 184, 192</a>
Decimal	<a href="#">8503434</a>
CIELab	<a href="#">72.36, -31.27, 20.98</a>
CIELCh	<a href="#">72, 37.661, 146.140</a>
Yxy	<a href="#">44.2014, 0.3021, 0.4110</a>
Android (android.graphics.Color)	<a href="#">4286693514 (0xFF81C08A)</a>
YUV	<a href="#">167.0070, -14.3005, -33.3321</a>
Hunter-Lab	<a href="#">66.4841, -29.1174, 19.0227</a>

# Details

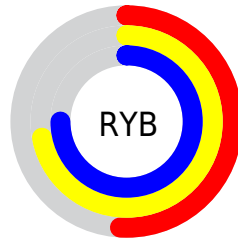
The Yxy color **44.2014, 0.3021, 0.4110** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **30.3298, 0.3256, 0.2589**, and the grayscale version is **38.7262, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.7475, 0.3048, 0.3945**, and **20.4593, 0.2971, 0.4370** is the 20% darker color. If you saturate the color by 10%, you get **42.3969, 0.2992, 0.4414**, and if you desaturate by 10%, it is **46.3644, 0.3053, 0.3829**.

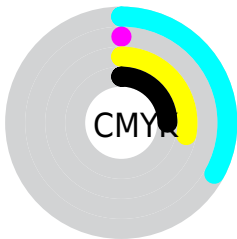
# Distribution



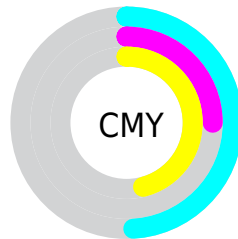
- Red (51%)
- Green (75%)
- Blue (54%)



- Red (51%)
- Yellow (72%)
- Blue (75%)



- Cyan (33%)
- Magenta (0%)
- Yellow (28%)
- Black (25%)



- Cyan (49%)
- Magenta (25%)
- Yellow (46%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 44.2014, 0.3021, 0.4110 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 44.2014, 0.3021, 0.4110 by changing the saturation by 10% instead.



■ 44.2014, 0.3021,  
0.4110

■ 44.2014, 0.3021,  
0.4110

363.5295, 0.3085,  
0.3677

■ 30.8289, 0.3001,  
0.4226

■ 81.5207, 0.3047,  
0.3947

■ 20.4686, 0.2973,  
0.4379

■ 106.2363, 0.3056,  
0.3887

■ 12.7361, 0.2930,  
0.4591

■ 135.5017, 0.3063,  
0.3838

■ 7.2471, 0.2861,  
0.4902

169.7013, 0.3069,  
0.3796

■ 3.6171, 0.2734,  
0.5396

209.2194, 0.3074,  
0.3759

■ 1.4618, 0.2657,  
0.7228

254.4406, 0.3078,

■ 0.2616, 0.0000,

0.3728

1.0000

305.7492, 0.3082,  
0.3701

0.0000, 0.0000,  
0.0000

44.2014, 0.3021,  
0.4110

44.2014, 0.3021,  
0.4110

42.3969, 0.2992,  
0.4414

46.3644, 0.3053,  
0.3829

40.9263, 0.2968,  
0.4730

48.8981, 0.3086,  
0.3574

39.7704, 0.2951,  
0.5044

51.8207, 0.3118,  
0.3348

38.9061, 0.2943,  
0.5338


55.1478, 0.3150,  
0.3150

38.3067, 0.2946,  
0.5591


58.8940, 0.3179,  
0.2978

 37.9407, 0.2958,  
0.5786

 63.0732, 0.3207,  
0.2829

 37.7820, 0.2969,  
0.5887

 66.0685, 0.3169,  
0.2689

 66.1812, 0.3156,  
0.2673

# Harmonies

## Analogous

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



44.2014, 0.3547, 0.4265



44.2014, 0.3021, 0.4110



44.2014, 0.2548, 0.3661

# Triad

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



44.2014, 0.3021, 0.4110



44.2014, 0.2305, 0.2475



44.2014, 0.4093, 0.3337

# Complementary

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



44.2014, 0.3021, 0.4110



30.3298, 0.3256, 0.2589

# 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.



44.2014, 0.3702, 0.2937



44.2014, 0.3021, 0.4110



44.2014, 0.2656, 0.2459

# Square

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



44.2014, 0.3021, 0.4110



44.2014, 0.2162, 0.2697



44.2014, 0.3163, 0.2626



44.2014, 0.4192, 0.3755



# Rectangle

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



44.2014, 0.3021, 0.4110



44.2014, 0.2322, 0.3296



44.2014, 0.3163, 0.2626



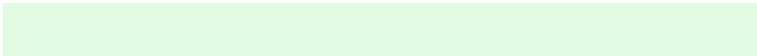
44.2014, 0.3990, 0.3198

# Sweetspot

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



44.2033, 0.3021, 0.4110



89.9297, 0.3094, 0.3512



49.4280, 0.3541, 0.4119



19.1386, 0.3090, 0.3545



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

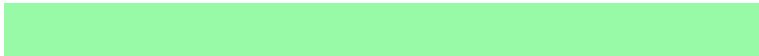


# Same Dimension

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



44.2033, 0.3021, 0.4110



77.7917, 0.3001, 0.4315



45.2299, 0.2812, 0.3628



11.2817, 0.3097, 0.3493



25.4289, 0.2965, 0.5872



1.1064, 0.2871, 0.5534



# Inverse Universe

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



30.3298, 0.3256, 0.2589



48.9622, 0.3289, 0.2446



29.1799, 0.3600, 0.2978



10.2221, 0.3159, 0.3095



9.3692, 0.3600, 0.1757



0.4117, 0.3500, 0.1702



# Previews

## White Background



This preview shows how the Yxy color 44.2014, 0.3021, 0.4110 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 44.2014, 0.3021, 0.4110 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

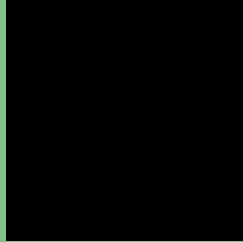
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 44.2014, 0.3021, 0.4110**

## **Background**



This preview shows how black text looks on a background with the Yxy color 44.2014, 0.3021, 0.4110.



This preview shows how white text looks on a background with the Yxy color 44.2014, 0.3021, 0.4110.

# 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

44.2014, 0.3021, 0.4110

### Protanopia

44.0301, 0.3637, 0.3900

### Deuteranopia

43.7118, 0.3700, 0.3634



## Tritanopia

44.0672, 0.2687, 0.3081

# Trichromacy



**Original Color**

44.2014, 0.3021, 0.4110

**Protanomaly**

43.5020, 0.3390, 0.3967

**Deuteranomaly**

43.1110, 0.3425, 0.3800

**Tritanomaly**

44.0333, 0.2809, 0.3433

# Monochromacy



**Original Color**

44.2014, 0.3021, 0.4110

**Achromatopsia**

38.6429, 0.3127, 0.3290

**Achromatomaly**

40.2233, 0.3087, 0.3583

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 44.2014, 0.3021, 0.4110 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(129, 192, 138)` looks like.

```
.text, #text, p{  
    color:rgb(129, 192, 138)  
}
```

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(129, 192, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 192, 138) }
```

## Border

The CSS property to change the border of an element to Yxy 44.2014, 0.3021, 0.4110 is called "border". The border property can be set on classes, ids or directly on the HTML element.

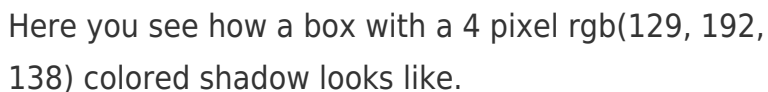
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(129, 192, 138) }
```

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

```
.border{ border-color:rgb(129, 192, 138) }
```

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



Here you see how a box with a 4 pixel `rgb(129, 192, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 192, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 192, 138);  
box-shadow:4px 4px 4px 4px rgb(129, 192,  
138) }
```



# Background

The CSS property to change the background color of an element to Yxy 44.2014, 0.3021, 0.4110 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 192, 138) }
```

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

```
.background{ background-color: rgb(129,  
192, 138) }
```

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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