

# Converting Colors

$Yxy(49.9027, 0.3166, 0.4018)$

Have a look what the booklet for  
Yxy(49.9027, 0.3166, 0.4018)  
contains.

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# Color

**Yxy(50.0214, 0.3162, 0.4014)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9CC793
RGB	156, 199, 147
RGB Percent	61%, 78%, 58%
CMY	0.3882, 0.2196, 0.4234
CMYK	0.22, 0.00, 0.26, 0.22
HSL	110°, 32%, 68%
HSV	110°, 26%, 78%
XYZ	39.4040, 50.0214, 35.1919
YIQ	180.2150, -8.9360, -25.2880

# Conversions

## Conversions Part 2

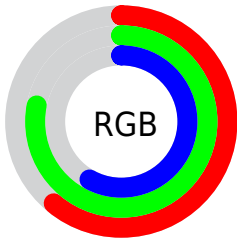
Format	Color
<a href="#">RYB</a>	<a href="#">147, 199, 190</a>
Decimal	<a href="#">10274707</a>
CIELab	<a href="#">76.08, -24.08, 21.51</a>
CIELCh	<a href="#">76, 32.290, 138.231</a>
Yxy	<a href="#">50.0214, 0.3162, 0.4014</a>
Android (android.graphics.Color)	<a href="#">4288464787 (0xFF9CC793)</a>
YUV	<a href="#">180.2150, -16.3750, -21.2366</a>
Hunter-Lab	<a href="#">70.7258, -24.3211, 20.0064</a>

# Details

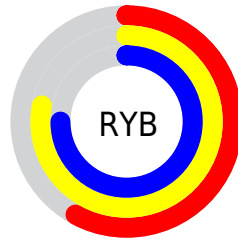
The Yxy color **50.0214, 0.3162, 0.4014** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **35.9472, 0.3071, 0.2630**, and the grayscale version is **45.8602, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.5859, 0.3161, 0.3871**, and **24.0384, 0.3163, 0.4236** is the 20% darker color. If you saturate the color by 10%, you get **47.9194, 0.3169, 0.4339**, and if you desaturate by 10%, it is **52.4582, 0.3151, 0.3713**.

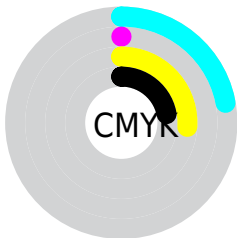
# Distribution



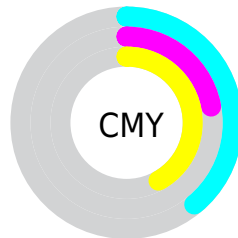
- Red (61%)
- Green (78%)
- Blue (58%)



- Red (58%)
- Yellow (78%)
- Blue (75%)



- Cyan (22%)
- Magenta (0%)
- Yellow (26%)
- Black (22%)




- Cyan (39%)
- Magenta (22%)
- Yellow (42%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 50.0214, 0.3162, 0.4014 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 50.0214, 0.3162, 0.4014 by changing the saturation by 10% instead.





 50.0214, 0.3162,  
0.4014


 50.0214, 0.3162,  
0.4014


386.7496, 0.3153,  
0.3642

 35.4304, 0.3162,  
0.4110


 90.2066, 0.3161,  
0.3877

 23.9946, 0.3159,  
0.4234


 116.5696, 0.3160,  
0.3826

 15.3296, 0.3153,  
0.4402


147.6253, 0.3158,  
0.3783

 9.0510, 0.3138,  
0.4640

183.7582, 0.3157,  
0.3746

 4.7745, 0.3101,  
0.5002

225.3527, 0.3156,  
0.3715

 2.1156, 0.3075,  
0.5744

272.7932, 0.3155,


 0.6734, 0.0718,


0.3688


0.9282


326.4640, 0.3154,  
0.3663


 0.0000, 0.0000,  
0.0000


 50.0214, 0.3162,  
0.4014


 50.0214, 0.3162,  
0.4014

 47.9194, 0.3169,  
0.4339


 52.4582, 0.3151,  
0.3713

 46.1313, 0.3171,  
0.4677


 55.2370, 0.3137,  
0.3441

 44.6438, 0.3165,  
0.5014

 58.3727, 0.3121,  
0.3200

 43.4400, 0.3150,  
0.5328

 61.8773, 0.3105,  
0.2987

 42.5012, 0.3127,  
0.5596

 65.7625, 0.3088,  
0.2801

■ 41.8065, 0.3097,  
0.5798

■ 69.2813, 0.3151,  
0.2742

■ 41.3311, 0.3063,  
0.5923

■ 69.3266, 0.3153,  
0.2742

■ 41.1939, 0.3052,  
0.5959

# Harmonies

## Analogous

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



50.0214, 0.3588, 0.4079



50.0214, 0.3162, 0.4014



50.0214, 0.2745, 0.3704

# Triad

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



50.0214, 0.3162, 0.4014



50.0214, 0.2391, 0.2645



50.0214, 0.3855, 0.3244

# Complementary

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



50.0214, 0.3162, 0.4014



35.9472, 0.3071, 0.2630

# 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.



50.0214, 0.3491, 0.2919



50.0214, 0.3162, 0.4014



50.0214, 0.2645, 0.2581

# Square

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



50.0214, 0.3162, 0.4014



50.0214, 0.2319, 0.2884



50.0214, 0.3042, 0.2682



50.0214, 0.4008, 0.3599



# Rectangle

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



50.0214, 0.3162, 0.4014



50.0214, 0.2526, 0.3418



50.0214, 0.3042, 0.2682



50.0214, 0.3752, 0.3129

# Sweetspot

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



50.0235, 0.3162, 0.4014



95.6945, 0.3140, 0.3493



50.8475, 0.3545, 0.3826



20.3191, 0.3142, 0.3534



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

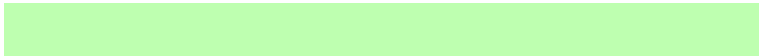


# Same Dimension

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



50.0235, 0.3162, 0.4014



85.5515, 0.3166, 0.4185



49.7137, 0.2980, 0.3788



11.9746, 0.3141, 0.3527



26.5156, 0.3058, 0.5954



1.2835, 0.3187, 0.5851



# Inverse Universe

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



35.9472, 0.3071, 0.2630



57.0091, 0.3056, 0.2491



36.4173, 0.3313, 0.2840



10.7202, 0.3111, 0.3060



7.7998, 0.2779, 0.1305

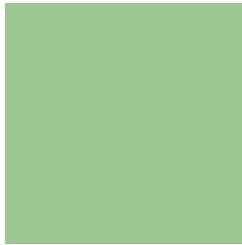


0.3945, 0.2874, 0.1357



# Previews

## White Background



This preview shows how the Yxy color 50.0214, 0.3162, 0.4014 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 50.0214, 0.3162, 0.4014 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

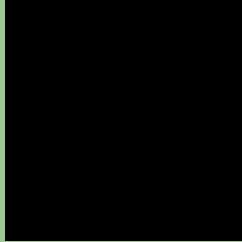
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 50.0214, 0.3162, 0.4014**

## **Background**



This preview shows how black text looks on a background with the Yxy color 50.0214, 0.3162, 0.4014.



This preview shows how white text looks on a background with the Yxy color 50.0214, 0.3162, 0.4014.

# 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

50.0214, 0.3162, 0.4014

### Protanopia

49.7431, 0.3611, 0.3871

### Deuteranopia

49.6286, 0.3705, 0.3640



## Tritanopia

49.8248, 0.2827, 0.3096

# Trichromacy



**Original Color**

50.0214, 0.3162, 0.4014

**Protanomaly**

49.4351, 0.3440, 0.3922

**Deuteranomaly**

49.3448, 0.3492, 0.3764

**Tritanomaly**

49.7677, 0.2943, 0.3410

# Monochromacy



**Original Color**

50.0214, 0.3162, 0.4014

**Achromatopsia**

45.6411, 0.3127, 0.3290

**Achromatomaly**

47.0257, 0.3140, 0.3547

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 50.0214, 0.3162, 0.4014 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(156, 199, 147)` looks like.

```
.text, #text, p{  
    color:rgb(156, 199, 147)  
}
```

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(156, 199, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 199, 147) }
```

## Border

The CSS property to change the border of an element to Yxy 50.0214, 0.3162, 0.4014 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(156, 199, 147) }
```

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

```
.border{ border-color:rgb(156, 199, 147) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 199, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 199, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 199, 147);  
box-shadow:4px 4px 4px 4px rgb(156, 199,  
147) }
```



# Background

The CSS property to change the background color of an element to Yxy 50.0214, 0.3162, 0.4014 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 199, 147) }
```

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

```
.background{ background-color: rgb(156,  
199, 147) }
```

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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