

# Converting Colors

$Yxy(64.1814, 0.2976, 0.4142)$

Have a look what the booklet for  
Yxy(64.1814, 0.2976, 0.4142)  
contains.

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# Color

**Yxy(64.1509, 0.2974, 0.4144)**

# Conversions

## Conversions Part 1

Format	Color
Hex	91E4A3
RGB	145, 228, 163
RGB Percent	57%, 89%, 64%
CMY	0.4312, 0.1059, 0.3607
CMYK	0.36, 0.00, 0.28, 0.11
HSL	133°, 61%, 73%
HSV	133°, 36%, 89%
XYZ	46.0388, 64.1509, 44.6146
YIQ	195.7730, -28.6030, -37.8110

# Conversions

## Conversions Part 2

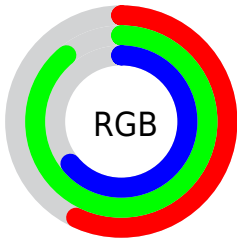
Format	Color
<a href="#">RYB</a>	<a href="#">145, 213, 228</a>
Decimal	<a href="#">9561251</a>
CIELab	<a href="#">84.04, -38.55, 23.94</a>
CIELCh	<a href="#">84, 45.381, 148.159</a>
Yxy	<a href="#">64.1509, 0.2974, 0.4144</a>
Android (android.graphics.Color)	<a href="#">4287751331</a> ( <a href="#">0xFF91E4A3</a> )
YUV	<a href="#">195.7730, -16.1571, -44.5279</a>
Hunter-Lab	<a href="#">80.0943, -37.5618, 23.0399</a>

# Details

The Yxy color **64.1509, 0.2974, 0.4144** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **41.4133, 0.3333, 0.2567**, and the grayscale version is **55.1786, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.9995, 0.3006, 0.3690**, and **32.8264, 0.2916, 0.4383** is the 20% darker color. If you saturate the color by 10%, you get **61.6894, 0.2940, 0.4431**, and if you desaturate by 10%, it is **67.1238, 0.3014, 0.3876**.

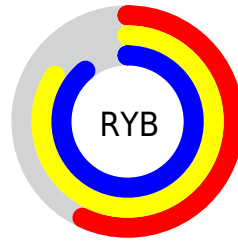
# Distribution



Red (57%)

Green (89%)

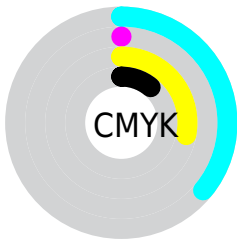
Blue (64%)



Red (57%)

Yellow (84%)

Blue (89%)

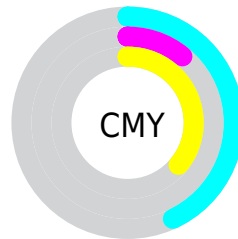


Cyan (36%)

Magenta (0%)

Yellow (28%)

Black (11%)



Cyan (43%)

Magenta (11%)


Yellow (36%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 64.1509, 0.2974, 0.4144 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 64.1509, 0.2974, 0.4144 by changing the saturation by 10% instead.



 64.1509, 0.2974,  
0.4144

 64.1509, 0.2974,  
0.4144


439.7344, 0.3058,  
0.3718

 46.7729, 0.2951,  
0.4249


 110.8282, 0.3006,  
0.3990

 32.8562, 0.2920,  
0.4384


 140.8964, 0.3018,  
0.3932

 22.0163, 0.2878,  
0.4562


175.9633, 0.3027,  
0.3882

 13.8689, 0.2816,  
0.4807

216.4135, 0.3035,  
0.3840

 8.0295, 0.2718,  
0.5162

262.6313, 0.3042,  
0.3804

 4.1138, 0.2546,  
0.5718

315.0011, 0.3048,

 1.7374, 0.2340,

0.3771

0.7577

373.9073, 0.3053,  
0.3743

0.4477, 0.0000,  
1.0000

0.0000, 0.0000,  
0.0000

64.1509, 0.2974,  
0.4144

64.1509, 0.2974,  
0.4144

61.6894, 0.2940,  
0.4431

67.1238, 0.3014,  
0.3876

59.7025, 0.2914,  
0.4729


70.6265, 0.3056,  
0.3633


58.1612, 0.2899,  
0.5024


74.6864, 0.3100,  
0.3415

57.0299, 0.2897,  
0.5301


79.3265, 0.3143,  
0.3224

 56.2671, 0.2909,  
0.5542

 83.7929, 0.3156,  
0.3054

 55.8218, 0.2933,  
0.5733

 83.9643, 0.3139,  
0.3029

 55.7095, 0.2942,  
0.5789

# Harmonies

## Analogous

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



64.1509, 0.3533, 0.4331



64.1509, 0.2974, 0.4144



64.1509, 0.2483, 0.3646

# Triad

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



64.1509, 0.2974, 0.4144



64.1509, 0.2276, 0.2419



64.1509, 0.4174, 0.3365

# Complementary

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



64.1509, 0.2974, 0.4144



41.4133, 0.3333, 0.2567

# 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.



64.1509, 0.3774, 0.2941



64.1509, 0.2974, 0.4144



64.1509, 0.2658, 0.2418

# Square

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



64.1509, 0.2974, 0.4144



64.1509, 0.2110, 0.2635



64.1509, 0.3203, 0.2606



64.1509, 0.4254, 0.3806



# Rectangle

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



64.1509, 0.2974, 0.4144



64.1509, 0.2255, 0.3255



64.1509, 0.3203, 0.2606



64.1509, 0.4071, 0.3218

# Sweetspot

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



64.1536, 0.2974, 0.4144



93.7275, 0.3079, 0.3514



71.4391, 0.3547, 0.4234



19.9096, 0.3073, 0.3544



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

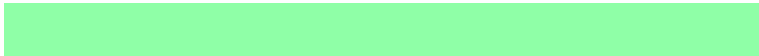


# Same Dimension

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



64.1536, 0.2974, 0.4144



80.1359, 0.2946, 0.4369



65.8256, 0.2749, 0.3603



16.1400, 0.3086, 0.3479



32.1845, 0.2935, 0.5767



2.3919, 0.2861, 0.5498



# Inverse Universe

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



41.4133, 0.3333, 0.2567



46.5970, 0.3391, 0.2415



39.6587, 0.3738, 0.3003



14.5589, 0.3171, 0.3108



11.4126, 0.3845, 0.1892

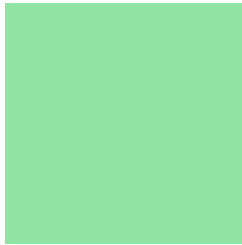


0.8567, 0.3733, 0.1830



# Previews

## White Background



This preview shows how the Yxy color 64.1509, 0.2974, 0.4144 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 64.1509, 0.2974, 0.4144 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

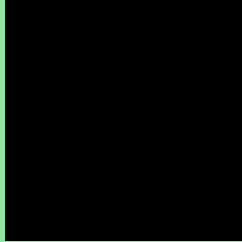
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 64.1509, 0.2974, 0.4144**

## Background



This preview shows how black text looks on a background with the Yxy color 64.1509, 0.2974, 0.4144.



This preview shows how white text looks on a background with the Yxy color 64.1509, 0.2974, 0.4144.

# 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

64.1509, 0.2974, 0.4144

### Protanopia

63.2921, 0.3648, 0.3905

### Deuteranopia

63.0504, 0.3707, 0.3628



## Tritanopia

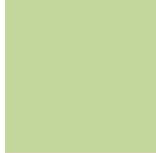
64.1927, 0.2643, 0.3086

# Trichromacy



## Original Color

64.1509, 0.2974, 0.4144



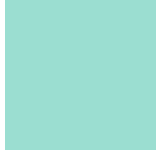
## Protanomaly

62.6373, 0.3375, 0.3997



## Deuteranomaly

62.1486, 0.3410, 0.3801



## Tritanomaly

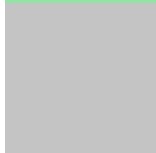
63.8146, 0.2766, 0.3451

# Monochromacy



## Original Color

64.1509, 0.2974, 0.4144



## Achromatopsia

55.2011, 0.3127, 0.3290



## Achromatomaly

57.9196, 0.3061, 0.3593

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 64.1509, 0.2974, 0.4144 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(145, 228, 163)` looks like.

```
.text, #text, p{  
    color:rgb(145, 228, 163)  
}
```

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(145, 228, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 228, 163) }
```

## Border

The CSS property to change the border of an element to Yxy 64.1509, 0.2974, 0.4144 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(145, 228, 163) }
```

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

```
.border{ border-color:rgb(145, 228, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 228, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 228, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 228, 163);  
box-shadow:4px 4px 4px 4px rgb(145, 228,  
163) }
```



# Background

The CSS property to change the background color of an element to Yxy 64.1509, 0.2974, 0.4144 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 228, 163) }
```

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

```
.background{ background-color: rgb(145,  
228, 163) }
```

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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