

# Converting Colors

Yxy(64.1413, 0.3006, 0.4119)

Have a look what the booklet for  
Yxy(64.1413, 0.3006, 0.4119)  
contains.

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# Color

**Yxy(64.1618, 0.3011, 0.4124)**

# Conversions

## Conversions Part 1

Format	Color
Hex	97E3A3
RGB	151, 227, 163
RGB Percent	59%, 89%, 64%
CMY	0.4078, 0.1098, 0.3607
CMYK	0.33, 0.00, 0.28, 0.11
HSL	129°, 58%, 74%
HSV	129°, 33%, 89%
XYZ	46.8456, 64.1618, 44.5741
YIQ	196.9800, -24.7520, -36.0160

# Conversions

## Conversions Part 2

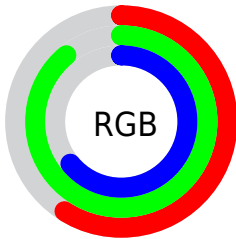
Format	Color
<b>RYB</b>	151, 217, 227
Decimal	9954211
CIELab	84.05, -36.30, 24.00
CIElCh	84, 43.511, 146.530
Yxy	64.1618, 0.3011, 0.4124
Android (android.graphics.Color)	4288144291 (0xFF97E3A3)
YUV	196.9800, -16.7521, -40.3245
Hunter-Lab	80.1011, -35.7845, 23.0774

# Details

The Yxy color **64.1618, 0.3011, 0.4124** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **43.3752, 0.3272, 0.2580**, and the grayscale version is **55.9403, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.8474, 0.3042, 0.3686**, and **32.8149, 0.2967, 0.4354** is the 20% darker color. If you saturate the color by 10%, you get **61.5631, 0.2981, 0.4427**, and if you desaturate by 10%, it is **67.2876, 0.3045, 0.3843**.

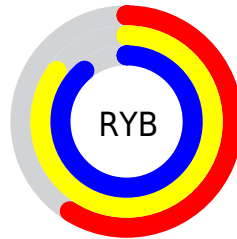
# Distribution



Red (59%)

Green (89%)

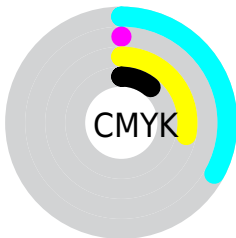
Blue (64%)



Red (59%)

Yellow (85%)

Blue (89%)

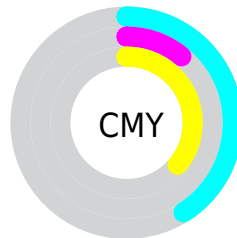


Cyan (33%)

Magenta (0%)

Yellow (28%)

Black (11%)



Cyan (41%)

Magenta (11%)


Yellow (36%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 64.1618, 0.3011, 0.4124 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 64.1618, 0.3011, 0.4124 by changing the saturation by 10% instead.





 64.1618, 0.3011,  
0.4124


 64.1618, 0.3011,  
0.4124


439.7737, 0.3077,  
0.3709

 46.7817, 0.2992,  
0.4227


 110.8439, 0.3037,  
0.3974

 32.8631, 0.2967,  
0.4357


 140.9148, 0.3046,  
0.3917

 22.0216, 0.2932,  
0.4530


175.9847, 0.3053,  
0.3869

 13.8728, 0.2880,  
0.4767

216.4380, 0.3060,  
0.3828

 8.0322, 0.2795,  
0.5111

262.6592, 0.3065,  
0.3792

 4.1156, 0.2644,  
0.5648


315.0326, 0.3069,


 1.7384, 0.2524,


0.3761


0.7408


373.9426, 0.3073,  
0.3733


 0.4484, 0.0000,  
1.0000


 0.0000, 0.0000,  
0.0000


 64.1618, 0.3011,  
0.4124

 64.1618, 0.3011,  
0.4124


 61.5631, 0.2981,  
0.4427


 67.2876, 0.3045,  
0.3843


 59.4547, 0.2956,  
0.4742

 70.9589, 0.3080,  
0.3588

 57.8077, 0.2939,  
0.5055

 75.2031, 0.3115,  
0.3362

 56.5871, 0.2933,  
0.5346

 80.0434, 0.3149,  
0.3164

■ 55.7523, 0.2939,  
0.5596

■ 83.4187, 0.3140,  
0.3019

■ 55.2549, 0.2954,  
0.5788

■ 55.0652, 0.2966,  
0.5878

# Harmonies

## Analogous

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



64.1618, 0.3547, 0.4286



64.1618, 0.3011, 0.4124



64.1618, 0.2531, 0.3662

# Triad

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



64.1618, 0.3011, 0.4124



64.1618, 0.2293, 0.2458



64.1618, 0.4116, 0.3342

# Complementary

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



64.1618, 0.3011, 0.4124



43.3752, 0.3272, 0.2580

# 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.



64.1618, 0.3720, 0.2935



64.1618, 0.3011, 0.4124



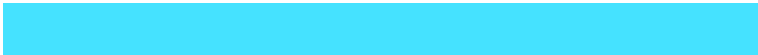
64.1618, 0.2653, 0.2445

# Square

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



64.1618, 0.3011, 0.4124



64.1618, 0.2145, 0.2680



64.1618, 0.3170, 0.2617



64.1618, 0.4213, 0.3768



# Rectangle

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



64.1618, 0.3011, 0.4124



64.1618, 0.2303, 0.3288



64.1618, 0.3170, 0.2617



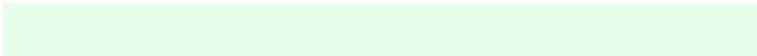
64.1618, 0.4013, 0.3200

# Sweetspot

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



64.1645, 0.3011, 0.4124



94.1738, 0.3092, 0.3508



71.7121, 0.3544, 0.4148



19.9951, 0.3087, 0.3541



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

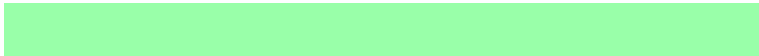


# Same Dimension

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



64.1645, 0.3011, 0.4124



81.1612, 0.2990, 0.4328



65.7086, 0.2797, 0.3624



16.1261, 0.3094, 0.3494



32.1249, 0.2961, 0.5861



2.3853, 0.2896, 0.5625



# Inverse Universe

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



43.3752, 0.3272, 0.2580



50.2677, 0.3308, 0.2438



41.6678, 0.3633, 0.2983



14.5740, 0.3162, 0.3094



11.7359, 0.3652, 0.1786



0.8778, 0.3577, 0.1744



# Previews

## White Background



This preview shows how the Yxy color 64.1618, 0.3011, 0.4124 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 64.1618, 0.3011, 0.4124 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

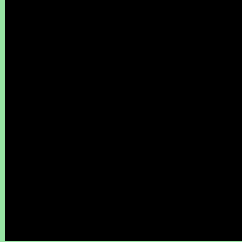
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 64.1618, 0.3011, 0.4124**

## **Background**



This preview shows how black text looks on a background with the Yxy color 64.1618, 0.3011, 0.4124.



This preview shows how white text looks on a background with the Yxy color 64.1618, 0.3011, 0.4124.

# 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

64.1618, 0.3011, 0.4124

### Protanopia

63.3256, 0.3640, 0.3893

### Deuteranopia

63.2278, 0.3716, 0.3627



## Tritanopia

64.1403, 0.2675, 0.3087

# Trichromacy



## Original Color

64.1618, 0.3011, 0.4124



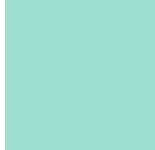
## Protanomaly

62.9398, 0.3383, 0.3981



## Deuteranomaly

62.5848, 0.3434, 0.3797



## Tritanomaly

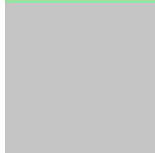
63.7899, 0.2795, 0.3438

# Monochromacy



## Original Color

64.1618, 0.3011, 0.4124



## Achromatopsia

55.8340, 0.3127, 0.3290



## Achromatomaly

58.3178, 0.3076, 0.3579

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  64.1618, 0.3011, 0.4124 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(151, 227, 163)` looks like.

```
.text, #text, p{  
    color:rgb(151, 227, 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(151, 227, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 227, 163) }
```

## Border

The CSS property to change the border of an element to Yxy 64.1618, 0.3011, 0.4124 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(151, 227, 163) }
```

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

```
.border{ border-color:rgb(151, 227, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 227, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 227, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 227, 163);  
box-shadow:4px 4px 4px 4px rgb(151, 227,  
163) }
```



# Background

The CSS property to change the background color of an element to Yxy 64.1618, 0.3011, 0.4124 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 227, 163) }
```

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

```
.background{ background-color: rgb(151,  
227, 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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