

# Converting Colors

$Yxy(60.0946, 0.3020, 0.3943)$

Have a look what the booklet for  
Yxy(60.0946, 0.3020, 0.3943)  
contains.

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# Color

**Yxy(60.1381, 0.3021, 0.3946)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9DDAA8
RGB	157, 218, 168
RGB Percent	62%, 85%, 66%
CMY	0.3844, 0.1451, 0.3412
CMYK	0.28, 0.00, 0.23, 0.15
HSL	131°, 45%, 74%
HSV	131°, 28%, 85%
XYZ	46.0409, 60.1381, 46.2237
YIQ	194.0610, -20.3060, -28.4820

# Conversions

## Conversions Part 2

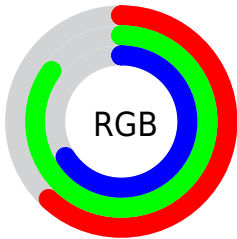
<b>Format</b>	<b>Color</b>
<b>RYB</b>	157, 209, 218
Decimal	10345128
CIELab	81.91, -29.36, 18.50
CIELCh	82, 34.704, 147.782
Yxy	60.1381, 0.3021, 0.3946
Android (android.graphics.Color)	4288535208 (0xFF9DDAA8)
YUV	194.0610, -12.8481, -32.5025
Hunter-Lab	77.5488, -29.7345, 18.9437

# Details

The Yxy color **60.1381, 0.3021, 0.3946** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **43.5199, 0.3256, 0.2713**, and the grayscale version is **54.0722, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.9938, 0.3050, 0.3627**, and **30.3984, 0.2984, 0.4131** is the 20% darker color. If you saturate the color by 10%, you get **57.5194, 0.2986, 0.4229**, and if you desaturate by 10%, it is **63.2446, 0.3059, 0.3687**.

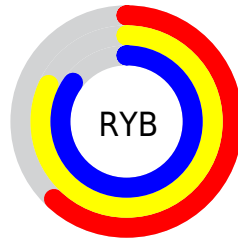
# Distribution



Red (62%)

Green (85%)

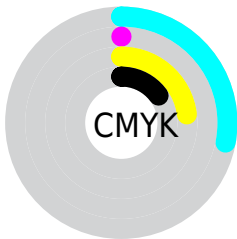
Blue (66%)



Red (62%)

Yellow (82%)

Blue (85%)

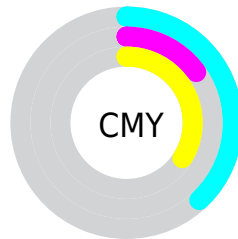


Cyan (28%)

Magenta (0%)

Yellow (23%)

Black (15%)



Cyan (38%)

Magenta (15%)


Yellow (34%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 60.1381, 0.3021, 0.3946 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 60.1381, 0.3021, 0.3946 by changing the saturation by 10% instead.





 60.1381, 0.3021,  
0.3946


 60.1381, 0.3021,  
0.3946

425.1066, 0.3079,  
0.3619

 43.5300, 0.3005,  
0.4027


 105.0300, 0.3043,  
0.3827

 30.3011, 0.2984,  
0.4132


 134.0825, 0.3051,  
0.3783

 20.0673, 0.2955,  
0.4270


168.0519, 0.3058,  
0.3745

 12.4440, 0.2913,  
0.4461

207.3227, 0.3063,  
0.3712

 7.0468, 0.2845,  
0.4742

252.2791, 0.3068,  
0.3684

 3.4914, 0.2724,  
0.5192

303.3057, 0.3072,

 1.3933, 0.2590,

0.3660

0.6723

360.7867, 0.3076,  
0.3638

0.2118, 0.0000,  
1.0000

0.0000, 0.0000,  
0.0000

60.1381, 0.3021,  
0.3946

60.1381, 0.3021,  
0.3946

57.5194, 0.2986,  
0.4229

63.2446, 0.3059,  
0.3687

55.3564, 0.2956,  
0.4531

66.8540, 0.3097,  
0.3455

53.6249, 0.2934,  
0.4840

70.9901, 0.3135,  
0.3251

52.2954, 0.2921,  
0.5140

75.6732, 0.3171,  
0.3073

■ 51.3347, 0.2921,  
0.5415

■ 78.6272, 0.3144,  
0.2930

■ 50.7039, 0.2932,  
0.5644

■ 50.3493, 0.2953,  
0.5817

■ 50.2960, 0.2957,  
0.5844

# Harmonies

## Analogous

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



60.1381, 0.3462, 0.4096



60.1381, 0.3021, 0.3946



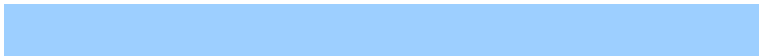
60.1381, 0.2627, 0.3574

# Triad

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



60.1381, 0.3021, 0.3946



60.1381, 0.2446, 0.2598



60.1381, 0.3940, 0.3358

# Complementary

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



60.1381, 0.3021, 0.3946



43.5199, 0.3256, 0.2713

# 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.



60.1381, 0.3629, 0.3012



60.1381, 0.3021, 0.3946



60.1381, 0.2755, 0.2590

# Square

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



60.1381, 0.3021, 0.3946



60.1381, 0.2313, 0.2784



60.1381, 0.3186, 0.2739



60.1381, 0.4012, 0.3711



# Rectangle

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



60.1381, 0.3021, 0.3946



60.1381, 0.2439, 0.3277



60.1381, 0.3186, 0.2739



60.1381, 0.3859, 0.3238

# Sweetspot

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



60.1406, 0.3021, 0.3946



95.3037, 0.3097, 0.3457



65.9673, 0.3468, 0.4005



20.2217, 0.3091, 0.3491



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

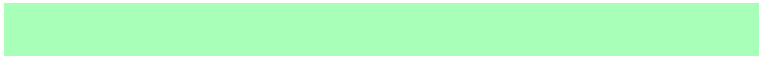


# Same Dimension

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



60.1406, 0.3021, 0.3946



83.3362, 0.2999, 0.4122



61.3755, 0.2840, 0.3548



14.6444, 0.3091, 0.3487



30.1412, 0.2951, 0.5825



1.9643, 0.2872, 0.5539



# Inverse Universe

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



43.5199, 0.3256, 0.2713



55.6292, 0.3292, 0.2581



42.2024, 0.3534, 0.3048



13.2324, 0.3165, 0.3100



10.8862, 0.3723, 0.1825

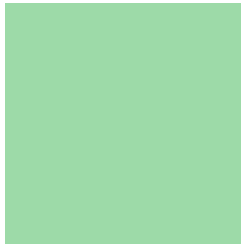


0.7160, 0.3625, 0.1770



# Previews

## White Background



This preview shows how the Yxy color 60.1381, 0.3021, 0.3946 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 60.1381, 0.3021, 0.3946 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

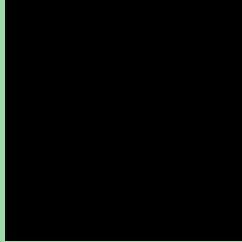
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 60.1381, 0.3021, 0.3946**

## **Background**



This preview shows how black text looks on a background with the Yxy color 60.1381, 0.3021, 0.3946.



This preview shows how white text looks on a background with the Yxy color 60.1381, 0.3021, 0.3946.

# 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**

60.1381, 0.3021, 0.3946

**Protanopia**

59.8840, 0.3544, 0.3783

**Deuteranopia**

59.3710, 0.3614, 0.3538



## Tritanopia

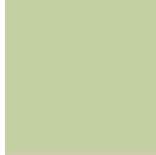
59.9641, 0.2728, 0.3083

# Trichromacy



## Original Color

60.1381, 0.3021, 0.3946



## Protanomaly

59.3942, 0.3339, 0.3832



## Deuteranomaly

58.6313, 0.3378, 0.3675



## Tritanomaly

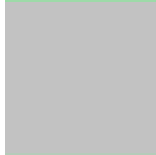
59.9372, 0.2831, 0.3377

# Monochromacy



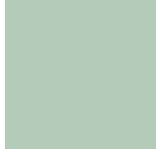
## Original Color

60.1381, 0.3021, 0.3946



## Achromatopsia

53.9479, 0.3127, 0.3290



## Achromatomaly

56.0384, 0.3086, 0.3517

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 60.1381, 0.3021, 0.3946 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(157, 218, 168)` looks like.

```
.text, #text, p{  
    color:rgb(157, 218, 168)  
}
```

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(157, 218, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 218, 168) }
```

## Border

The CSS property to change the border of an element to Yxy 60.1381, 0.3021, 0.3946 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(157, 218, 168) }
```

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

```
.border{ border-color:rgb(157, 218, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 218, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 218, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 218, 168);  
box-shadow:4px 4px 4px 4px rgb(157, 218,  
168) }
```



# Background

The CSS property to change the background color of an element to Yxy 60.1381, 0.3021, 0.3946 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 218, 168) }
```

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

```
.background{ background-color: rgb(157,  
218, 168) }
```

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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