

# Converting Colors

$Yxy(40.6068, 0.3059, 0.3595)$

Have a look what the booklet for  
Yxy(40.6068, 0.3059, 0.3595)  
contains.

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# Color

**Yxy(40.7591, 0.3053, 0.3598)**

# Conversions

## Conversions Part 1

Format	Color
Hex	96B29D
RGB	150, 178, 157
RGB Percent	59%, 70%, 62%
CMY	0.4117, 0.3020, 0.3843
CMYK	0.16, 0.00, 0.12, 0.30
HSL	135°, 15%, 64%
HSV	135°, 16%, 70%
XYZ	34.5852, 40.7591, 37.9384
YIQ	167.2340, -9.9470, -12.4670

# Conversions

## Conversions Part 2

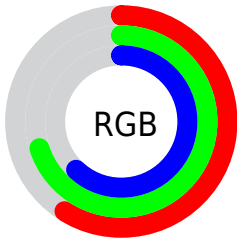
<b>Format</b>	<b>Color</b>
<b>RYB</b>	150, 172, 178
Decimal	9876125
CIELab	70.01, -13.76, 7.55
CIELCh	70, 15.695, 151.236
Yxy	40.7591, 0.3053, 0.3598
Android (android.graphics.Color)	4288066205 (0xFF96B29D)
YUV	167.2340, -5.0454, -15.1142
Hunter-Lab	63.8429, -15.0273, 9.4572

# Details

The Yxy color  $40.7591, 0.3053, 0.3598$  is a light color, and the websafe version is hex `99CCCC`. A complement of this color would be  $34.2241, 0.3211, 0.3000$ , and the grayscale version is  $38.7940, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $76.4365, 0.3062, 0.3536$ , and  $18.3605, 0.3027, 0.3685$  is the 20% darker color. If you saturate the color by 10%, you get  $38.7665, 0.3007, 0.3825$ , and if you desaturate by 10%, it is  $43.0616, 0.3100, 0.3395$ .

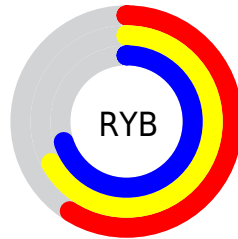
# Distribution



Red (59%)

Green (70%)

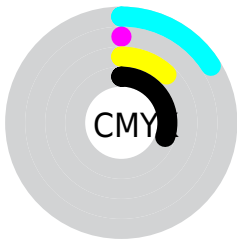
Blue (62%)



Red (59%)

Yellow (67%)

Blue (70%)

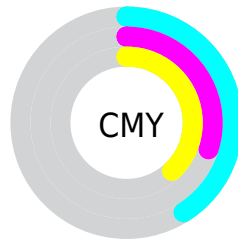


Cyan (16%)

Magenta (0%)

Yellow (12%)

Black (30%)



Cyan (41%)

Magenta (30%)


Yellow (38%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 40.7591, 0.3053, 0.3598 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 40.7591, 0.3053, 0.3598 by changing the saturation by 10% instead.





 40.7591, 0.3053,  
0.3598


 40.7591, 0.3053,  
0.3598


349.3128, 0.3093,  
0.3437

 28.1309, 0.3042,  
0.3640


 76.3181, 0.3068,  
0.3538

 18.4244, 0.3028,  
0.3696


 100.0176, 0.3073,  
0.3516

 11.2551, 0.3008,  
0.3774

128.1764, 0.3078,  
0.3497

 6.2387, 0.2978,  
0.3887

161.1788, 0.3082,  
0.3482

 2.9907, 0.2928,  
0.4070

199.4093, 0.3085,  
0.3468

 1.1269, 0.2843,  
0.4468

243.2522, 0.3088,

 0.0008, 0.0000,

0.3457

1.0000

293.0919, 0.3090,  
0.3446

0.0000, 0.0000,  
0.0000

40.7591, 0.3053,  
0.3598

40.7591, 0.3053,  
0.3598

38.7665, 0.3007,  
0.3825

43.0616, 0.3100,  
0.3395

37.0654, 0.2964,  
0.4074

45.6812, 0.3147,  
0.3216

35.6436, 0.2926,  
0.4343

48.6312, 0.3193,  
0.3059

34.4857, 0.2897,  
0.4624

51.9227, 0.3236,  
0.2922

33.5750, 0.2879,  
0.4907

55.5662, 0.3277,  
0.2803

■ 32.8927, 0.2874,  
0.5178

■ 59.2257, 0.3301,  
0.2697

■ 32.4172, 0.2884,  
0.5423

■ 60.0369, 0.3196,  
0.2576

■ 32.1214, 0.2908,  
0.5629

■ 60.3213, 0.3163,  
0.2536

■ 32.0259, 0.2918,  
0.5704

# Harmonies

## Analogous

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



40.7591, 0.3283, 0.3692



40.7591, 0.3053, 0.3598



40.7591, 0.2848, 0.3412

# Triad

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



40.7591, 0.3053, 0.3598



40.7591, 0.2782, 0.2919



40.7591, 0.3553, 0.3359

# Complementary

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



40.7591, 0.3053, 0.3598



34.2241, 0.3211, 0.3000

# 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.



40.7591, 0.3409, 0.3167



40.7591, 0.3053, 0.3598



40.7591, 0.2961, 0.2918

# Square

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



40.7591, 0.3053, 0.3598



40.7591, 0.2696, 0.3017



40.7591, 0.3190, 0.3008



40.7591, 0.3577, 0.3543



# Rectangle

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



40.7591, 0.3053, 0.3598



40.7591, 0.2752, 0.3267



40.7591, 0.3190, 0.3008



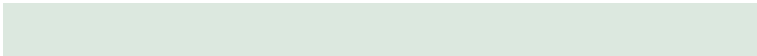
40.7591, 0.3516, 0.3294

# Sweetspot

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



40.7608, 0.3053, 0.3598



78.3730, 0.3103, 0.3383



42.7547, 0.3299, 0.3680



17.2946, 0.3100, 0.3396



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290



# Same Dimension

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



40.7608, 0.3053, 0.3598



72.5489, 0.3036, 0.3677



41.2495, 0.2949, 0.3397



9.5237, 0.3083, 0.3466



22.9233, 0.2913, 0.5686



0.7308, 0.2756, 0.5121



# Inverse Universe

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



34.2241, 0.3211, 0.3000



58.3374, 0.3233, 0.2932



33.7336, 0.3343, 0.3186



8.6098, 0.3174, 0.3121



8.0070, 0.3947, 0.1948



0.2606, 0.3702, 0.1813



# Previews

## White Background



This preview shows how the Yxy color 40.7591, 0.3053, 0.3598 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

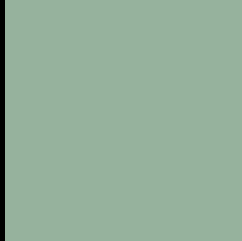
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 40.7591, 0.3053, 0.3598 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

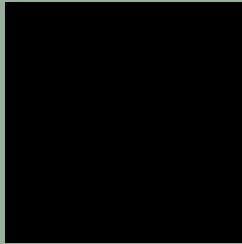
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 40.7591, 0.3053, 0.3598**

## Background



This preview shows how black text looks on a background with the Yxy color 40.7591, 0.3053, 0.3598.



This preview shows how white text looks on a background with the Yxy color 40.7591, 0.3053, 0.3598.

# 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

40.7591, 0.3053, 0.3598

### Protanopia

40.5143, 0.3349, 0.3525

### Deuteranopia

40.5247, 0.3420, 0.3357



## Tritanopia

40.8285, 0.2864, 0.3108

# Trichromacy



**Original Color**

40.7591, 0.3053, 0.3598

**Protanomaly**

40.5451, 0.3241, 0.3559

**Deuteranomaly**

40.4828, 0.3277, 0.3442

**Tritanomaly**

40.5668, 0.2931, 0.3275

# Monochromacy



**Original Color**

40.7591, 0.3053, 0.3598

**Achromatopsia**

38.6429, 0.3127, 0.3290

**Achromatomaly**

39.3472, 0.3104, 0.3405

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  40.7591, 0.3053, 0.3598 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(150, 178, 157)` looks like.

```
.text, #text, p{  
    color:rgb(150, 178, 157)  
}
```

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(150, 178, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 178, 157) }
```

## Border

The CSS property to change the border of an element to Yxy 40.7591, 0.3053, 0.3598 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(150, 178, 157) }
```

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

```
.border{ border-color:rgb(150, 178, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 178, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 178, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 178, 157);  
box-shadow:4px 4px 4px 4px rgb(150, 178,  
157) }
```



# Background

The CSS property to change the background color of an element to Yxy 40.7591, 0.3053, 0.3598 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 178, 157) }
```

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

```
.background{ background-color: rgb(150,  
178, 157) }
```

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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