

# Converting Colors

$Y_{xy}(42.0121, 0.3052, 0.3628)$

Have a look what the booklet for  
Yxy(42.0121, 0.3052, 0.3628)  
contains.

<b>Yxy(42.0957, 0.3053, 0.3624)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(42.0957, 0.3053, 0.3624)**

# Conversions

## Conversions Part 1

Format	Color
Hex	97B59E
RGB	151, 181, 158
RGB Percent	59%, 71%, 62%
CMY	0.4077, 0.2902, 0.3804
CMYK	0.17, 0.00, 0.13, 0.29
HSL	134°, 17%, 65%
HSV	134°, 17%, 71%
XYZ	35.4631, 42.0957, 38.5993
YIQ	169.4080, -10.4970, -13.5130

# Conversions

## Conversions Part 2

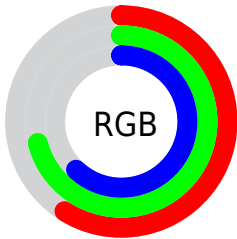
Format	Color
<a href="#">RYB</a>	<a href="#">151, 175, 181</a>
Decimal	<a href="#">9942430</a>
CIELab	<a href="#">70.94, -14.77, 8.34</a>
CIELCh	<a href="#">71, 16.965, 150.542</a>
Yxy	<a href="#">42.0957, 0.3053, 0.3624</a>
Android (android.graphics.Color)	<a href="#">4288132510 (0xFF97B59E)</a>
YUV	<a href="#">169.4080, -5.6241, -16.1438</a>
Hunter-Lab	<a href="#">64.8812, -15.9767, 10.1438</a>

# Details

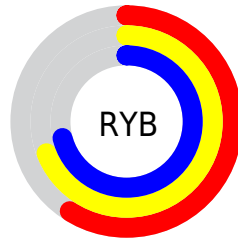
The Yxy color **42.0957, 0.3053, 0.3624** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **35.0282, 0.3211, 0.2978**, and the grayscale version is **39.9252, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.3516, 0.3062, 0.3556**, and **19.2092, 0.3027, 0.3720** is the 20% darker color. If you saturate the color by 10%, you get **40.0441, 0.3009, 0.3859**, and if you desaturate by 10%, it is **44.4709, 0.3098, 0.3414**.

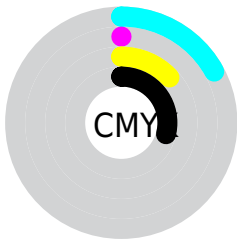
# Distribution



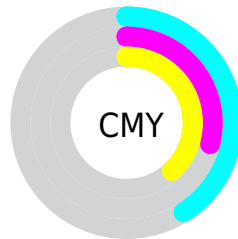
- Red (59%)
- Green (71%)
- Blue (62%)



- Red (59%)
- Yellow (69%)
- Blue (71%)



- Cyan (17%)
- Magenta (0%)
- Yellow (13%)
- Black (29%)




- Cyan (41%)
- Magenta (29%)
- Yellow (38%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 42.0957, 0.3053, 0.3624 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 42.0957, 0.3053, 0.3624 by changing the saturation by 10% instead.





 42.0957, 0.3053,  
0.3624

 42.0957, 0.3053,  
0.3624


354.8795, 0.3093,  
0.3450

 29.1762, 0.3042,  
0.3670

 78.3444, 0.3068,  
0.3559

 19.2142, 0.3028,  
0.3730


 102.4425, 0.3073,  
0.3535

 11.8251, 0.3008,  
0.3812


131.0356, 0.3078,  
0.3516

 6.6247, 0.2978,  
0.3933

164.5080, 0.3082,  
0.3499

 3.2285, 0.2928,  
0.4125

203.2442, 0.3085,  
0.3484

 1.2522, 0.2845,  
0.4508


247.6286, 0.3088,

 0.1037, 0.0000,

0.3471


1.0000


298.0456, 0.3090,  
0.3460


 0.0000, 0.0000,  
0.0000


 42.0957, 0.3053,  
0.3624

 42.0957, 0.3053,  
0.3624


 40.0441, 0.3009,  
0.3859


 44.4709, 0.3098,  
0.3414

 38.2968, 0.2968,  
0.4116


 47.1775, 0.3142,  
0.3229


 36.8408, 0.2933,  
0.4393

 50.2294, 0.3186,  
0.3066

 35.6598, 0.2906,  
0.4681

 53.6383, 0.3227,  
0.2925

 34.7361, 0.2889,  
0.4968

 57.4153, 0.3266,  
0.2802

■ 34.0497, 0.2886,  
0.5241

■ 60.6803, 0.3265,  
0.2688

■ 33.5777, 0.2897,  
0.5483

■ 61.5257, 0.3161,  
0.2565

■ 33.2895, 0.2920,  
0.5682

■ 33.2127, 0.2928,  
0.5740

# Harmonies

## Analogous

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



42.0957, 0.3299, 0.3722



42.0957, 0.3053, 0.3624



42.0957, 0.2833, 0.3425

# Triad

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



42.0957, 0.3053, 0.3624



42.0957, 0.2756, 0.2895



42.0957, 0.3580, 0.3358

# Complementary

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



42.0957, 0.3053, 0.3624



35.0282, 0.3211, 0.2978

# 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.



42.0957, 0.3423, 0.3154



42.0957, 0.3053, 0.3624



42.0957, 0.2944, 0.2893

# Square

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



42.0957, 0.3053, 0.3624



42.0957, 0.2666, 0.3001



42.0957, 0.3188, 0.2987



42.0957, 0.3610, 0.3555



# Rectangle

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



42.0957, 0.3053, 0.3624



42.0957, 0.2729, 0.3270



42.0957, 0.3188, 0.2987



42.0957, 0.3540, 0.3289

# Sweetspot

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



42.0975, 0.3053, 0.3624



80.3238, 0.3104, 0.3385



44.3383, 0.3313, 0.3702



17.2919, 0.3101, 0.3399



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.



42.0975, 0.3053, 0.3624



73.9419, 0.3036, 0.3710



42.6273, 0.2943, 0.3410



9.5213, 0.3085, 0.3470



22.9068, 0.2922, 0.5721



0.7298, 0.2770, 0.5173



# Inverse Universe

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



35.0282, 0.3211, 0.2978



58.7904, 0.3233, 0.2904



34.4920, 0.3352, 0.3173



8.6123, 0.3172, 0.3117



8.0687, 0.3888, 0.1915



0.2621, 0.3663, 0.1792



# Previews

## White Background



This preview shows how the Yxy color 42.0957, 0.3053, 0.3624 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

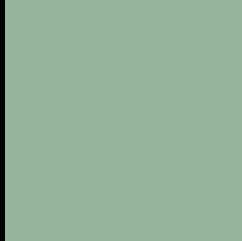
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 42.0957, 0.3053, 0.3624 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

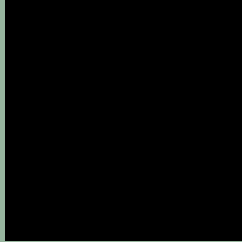
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 42.0957, 0.3053, 0.3624**

## Background



This preview shows how black text looks on a background with the Yxy color 42.0957, 0.3053, 0.3624.



This preview shows how white text looks on a background with the Yxy color 42.0957, 0.3053, 0.3624.

# 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

42.0957, 0.3053, 0.3624

### Protanopia

42.0440, 0.3362, 0.3549

### Deuteranopia

41.8127, 0.3445, 0.3369



## Tritanopia

41.9365, 0.2859, 0.3097

# Trichromacy



## Original Color

42.0957, 0.3053, 0.3624

## Protanomaly

41.9633, 0.3247, 0.3584

## Deuteranomaly

41.6268, 0.3293, 0.3454

## Tritanomaly

42.0237, 0.2933, 0.3289

# Monochromacy



## Original Color

42.0957, 0.3053, 0.3624

## Achromatopsia

39.6755, 0.3127, 0.3290

## Achromatomaly

40.2851, 0.3095, 0.3404

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 42.0957, 0.3053, 0.3624 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, 181, 158)` looks like.

```
.text, #text, p{  
    color:rgb(151, 181, 158)  
}
```

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, 181, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 181, 158) }
```

## Border

The CSS property to change the border of an element to Yxy 42.0957, 0.3053, 0.3624 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, 181, 158) }
```

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

```
.border{ border-color:rgb(151, 181, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 181, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 181, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 181, 158);  
box-shadow:4px 4px 4px 4px rgb(151, 181,  
158) }
```



# Background

The CSS property to change the background color of an element to Yxy 42.0957, 0.3053, 0.3624 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 181, 158) }
```

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

```
.background{ background-color: rgb(151,  
181, 158) }
```

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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