

# Converting Colors

$Yxy(50.3458, 0.3072, 0.3726)$

Have a look what the booklet for  
Yxy(50.3458, 0.3072, 0.3726)  
contains.

<b>Yxy(50.2262, 0.3076, 0.3726)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(50.2262, 0.3076, 0.3726)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A1C5A5
RGB	161, 197, 165
RGB Percent	63%, 77%, 65%
CMY	0.3684, 0.2275, 0.3529
CMYK	0.18, 0.00, 0.16, 0.23
HSL	127°, 24%, 70%
HSV	127°, 18%, 77%
XYZ	41.4642, 50.2262, 43.1088
YIQ	182.5880, -11.1840, -17.5840

# Conversions

## Conversions Part 2

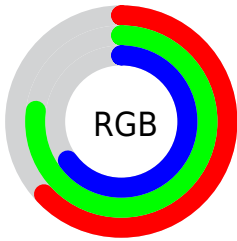
Format	Color
<a href="#">RYB</a>	<a href="#">161, 193, 197</a>
Decimal	<a href="#">10601893</a>
CIELab	<a href="#">76.21, -18.24, 12.12</a>
CIELCh	<a href="#">76, 21.897, 146.390</a>
Yxy	<a href="#">50.2262, 0.3076, 0.3726</a>
Android (android.graphics.Color)	<a href="#">4288791973 (0xFFA1C5A5)</a>
YUV	<a href="#">182.5880, -8.6709, -18.9327</a>
Hunter-Lab	<a href="#">70.8704, -19.5881, 13.5446</a>

# Details

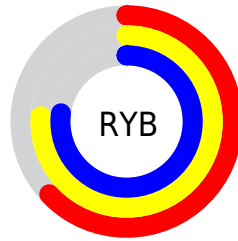
The Yxy color **50.2262, 0.3076, 0.3726** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **41.2305, 0.3183, 0.2890**, and the grayscale version is **47.1759, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.6499, 0.3086, 0.3648**, and **24.0884, 0.3059, 0.3856** is the 20% darker color. If you saturate the color by 10%, you get **47.7441, 0.3047, 0.4007**, and if you desaturate by 10%, it is **53.1225, 0.3104, 0.3475**.

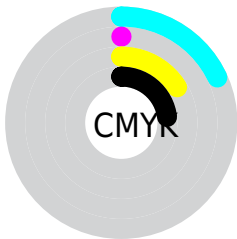
# Distribution



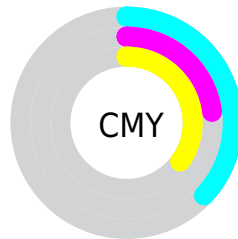
- Red (63%)
- Green (77%)
- Blue (65%)



- Red (63%)
- Yellow (76%)
- Blue (77%)



- Cyan (18%)
- Magenta (0%)
- Yellow (16%)
- Black (23%)




- Cyan (37%)
- Magenta (23%)
- Yellow (35%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 50.2262, 0.3076, 0.3726 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 50.2262, 0.3076, 0.3726 by changing the saturation by 10% instead.





 50.2262, 0.3076,  
0.3726

 50.2262, 0.3076,  
0.3726


387.5499, 0.3104,  
0.3505

 35.5932, 0.3068,  
0.3782


 90.5099, 0.3087,  
0.3645

 24.1202, 0.3057,  
0.3855


 116.9294, 0.3091,  
0.3614

 15.4228, 0.3042,  
0.3954

148.0465, 0.3094,  
0.3589

 9.1166, 0.3019,  
0.4093

184.2456, 0.3097,  
0.3567

 4.8173, 0.2981,  
0.4305

225.9111, 0.3099,  
0.3548

 2.1405, 0.2907,  
0.4666

273.4274, 0.3101,

 0.6873, 0.2324,

0.3532

0.7676

327.1788, 0.3103,  
0.3517

0.0000, 0.0000,  
0.0000

50.2262, 0.3076,  
0.3726

50.2262, 0.3076,  
0.3726

47.7441, 0.3047,  
0.4007

53.1225, 0.3104,  
0.3475

45.6513, 0.3020,  
0.4313

56.4442, 0.3132,  
0.3253

43.9299, 0.2996,  
0.4637

60.2096, 0.3158,  
0.3060

42.5580, 0.2977,  
0.4963

64.4343, 0.3182,  
0.2893

41.5116, 0.2965,  
0.5274

68.2597, 0.3170,  
0.2743

■ 40.7634, 0.2961,  
0.5546

■ 68.4086, 0.3154,  
0.2722

■ 40.2818, 0.2967,  
0.5761

■ 40.0200, 0.2978,  
0.5906

■ 39.9852, 0.2979,  
0.5925

# Harmonies

## Analogous

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



50.2262, 0.3373, 0.3823



50.2262, 0.3076, 0.3726



50.2262, 0.2802, 0.3493

# Triad

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



50.2262, 0.3076, 0.3726



50.2262, 0.2655, 0.2822



50.2262, 0.3662, 0.3334

# Complementary

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



50.2262, 0.3076, 0.3726



41.2305, 0.3183, 0.2890

# 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.



50.2262, 0.3452, 0.3093



50.2262, 0.3076, 0.3726



50.2262, 0.2866, 0.2805

# Square

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



50.2262, 0.3076, 0.3726



50.2262, 0.2567, 0.2964



50.2262, 0.3157, 0.2903



50.2262, 0.3721, 0.3577



# Rectangle

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



50.2262, 0.3076, 0.3726



50.2262, 0.2667, 0.3302



50.2262, 0.3157, 0.2903



50.2262, 0.3606, 0.3251

# Sweetspot

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



50.2283, 0.3076, 0.3726



96.9520, 0.3113, 0.3401



53.8936, 0.3368, 0.3743



20.6635, 0.3111, 0.3418



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

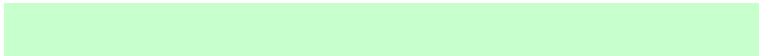


# Same Dimension

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



50.2283, 0.3076, 0.3726



88.0595, 0.3064, 0.3838



50.9145, 0.2953, 0.3482



11.9065, 0.3101, 0.3502



26.3089, 0.2976, 0.5912



1.2523, 0.2903, 0.5651



# Inverse Universe

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



41.2305, 0.3183, 0.2890



68.8900, 0.3197, 0.2798



40.4905, 0.3342, 0.3106



10.7958, 0.3154, 0.3087



9.8600, 0.3504, 0.1704



0.4728, 0.3435, 0.1666



# Previews

## White Background



This preview shows how the Yxy color 50.2262, 0.3076, 0.3726 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

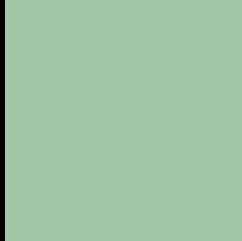
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 50.2262, 0.3076, 0.3726 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

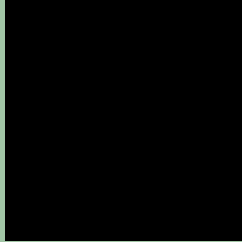
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 50.2262, 0.3076, 0.3726**

## Background



This preview shows how black text looks on a background with the Yxy color 50.2262, 0.3076, 0.3726.



This preview shows how white text looks on a background with the Yxy color 50.2262, 0.3076, 0.3726.

# 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

50.2262, 0.3076, 0.3726

### Protanopia

49.9490, 0.3428, 0.3633

### Deuteranopia

50.0210, 0.3518, 0.3448



## Tritanopia

50.0427, 0.2842, 0.3097

# Trichromacy



## Original Color

50.2262, 0.3076, 0.3726

## Protanomaly

50.0606, 0.3292, 0.3669

## Deuteranomaly

49.8000, 0.3345, 0.3545

## Tritanomaly

49.9008, 0.2923, 0.3316

# Monochromacy



## Original Color

50.2262, 0.3076, 0.3726

## Achromatopsia

47.3531, 0.3127, 0.3290

## Achromatomaly

48.2150, 0.3111, 0.3449

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 50.2262, 0.3076, 0.3726 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(161, 197, 165)` looks like.

```
.text, #text, p{  
    color:rgb(161, 197, 165)  
}
```

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(161, 197, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 197, 165) }
```

## Border

The CSS property to change the border of an element to Yxy 50.2262, 0.3076, 0.3726 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(161, 197, 165) }
```

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

```
.border{ border-color:rgb(161, 197, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 197, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 197, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 197, 165);  
box-shadow:4px 4px 4px 4px rgb(161, 197,  
165) }
```



# Background

The CSS property to change the background color of an element to Yxy 50.2262, 0.3076, 0.3726 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 197, 165) }
```

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

```
.background{ background-color: rgb(161,  
197, 165) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor