

# Converting Colors

$Yxy(60.9794, 0.2920, 0.3770)$

Have a look what the booklet for  
Yxy(60.9794, 0.2920, 0.3770)  
contains.

<b>Yxy(61.0090, 0.2922, 0.3770)</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(61.0090, 0.2922, 0.3770)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9BDBB6
RGB	155, 219, 182
RGB Percent	61%, 86%, 71%
CMY	0.3923, 0.1411, 0.2863
CMYK	0.29, 0.00, 0.17, 0.14
HSL	145°, 47%, 73%
HSV	145°, 29%, 86%
XYZ	47.2860, 61.0090, 53.5326
YIQ	195.6460, -26.2670, -25.0750

# Conversions

## Conversions Part 2

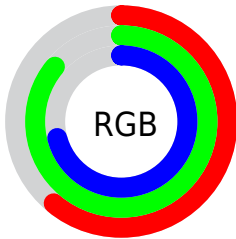
Format	Color
<a href="#">RYB</a>	<a href="#">155, 200, 219</a>
Decimal	<a href="#">10214326</a>
CIELab	<a href="#">82.38, -27.88, 11.78</a>
CIELCh	<a href="#">82, 30.264, 157.102</a>
Yxy	<a href="#">61.0090, 0.2922, 0.3770</a>
Android (android.graphics.Color)	<a href="#">4288404406</a> ( <a href="#">0xFF9BDBB6</a> )
YUV	<a href="#">195.6460, -6.7275, -35.6465</a>
Hunter-Lab	<a href="#">78.1083, -28.6272, 14.0406</a>

# Details

The Yxy color **61.0090, 0.2922, 0.3770** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **42.2977, 0.3406, 0.2856**, and the grayscale version is **55.0280, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.5419, 0.2956, 0.3467**, and **30.9607, 0.2867, 0.3908** is the 20% darker color. If you saturate the color by 10%, you get **58.5382, 0.2861, 0.3968**, and if you desaturate by 10%, it is **63.9251, 0.2989, 0.3589**.

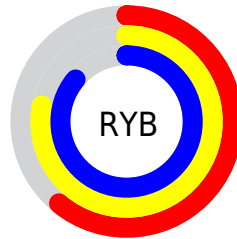
# Distribution



Red (61%)

Green (86%)

Blue (71%)



Red (61%)

Yellow (78%)

Blue (86%)

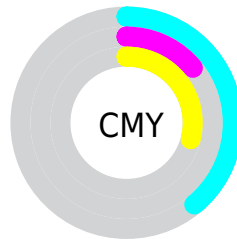


Cyan (29%)

Magenta (0%)

Yellow (17%)

Black (14%)



Cyan (39%)

Magenta (14%)


Yellow (29%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 61.0090, 0.2922, 0.3770 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 61.0090, 0.2922, 0.3770 by changing the saturation by 10% instead.





 61.0090, 0.2922,  
0.3770

 61.0090, 0.2922,  
0.3770


428.3070, 0.3024,  
0.3533

 44.2324, 0.2897,  
0.3828

 106.2920, 0.2959,  
0.3684

 30.8533, 0.2865,  
0.3903


 135.5672, 0.2973,  
0.3652

 20.4871, 0.2822,  
0.4001


169.7773, 0.2984,  
0.3625

 12.7496, 0.2764,  
0.4136

209.3069, 0.2995,  
0.3601

 7.2564, 0.2678,  
0.4333

254.5403, 0.3003,  
0.3581

 3.6230, 0.2540,  
0.4648


305.8618, 0.3011,

 1.4650, 0.2258,


0.3563


0.5314


363.6559, 0.3018,  
0.3547


 0.2639, 0.0000,  
1.0000


 0.0000, 0.0000,  
0.0000


 61.0090, 0.2922,  
0.3770


 61.0090, 0.2922,  
0.3770


 58.5382, 0.2861,  
0.3968


 63.9251, 0.2989,  
0.3589

 56.4826, 0.2810,  
0.4181

 67.2999, 0.3060,  
0.3425


 54.8203, 0.2773,  
0.4404

 71.1553, 0.3133,  
0.3280

 53.5238, 0.2751,  
0.4631

 75.5097, 0.3205,  
0.3151


 52.5624, 0.2748,  
0.4856

 78.5399, 0.3208,  
0.3032

 51.8997, 0.2765,  
0.5070

 79.1497, 0.3144,  
0.2940

 51.4772, 0.2797,  
0.5266

 51.4496, 0.2800,  
0.5280

# Harmonies

## Analogous

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



61.0090, 0.3305, 0.3968



61.0090, 0.2922, 0.3770



61.0090, 0.2607, 0.3419

# Triad

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



61.0090, 0.2922, 0.3770



61.0090, 0.2601, 0.2666



61.0090, 0.3875, 0.3453

# Complementary

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



61.0090, 0.2922, 0.3770



42.2977, 0.3406, 0.2856

# 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.



61.0090, 0.3664, 0.3139



61.0090, 0.2922, 0.3770



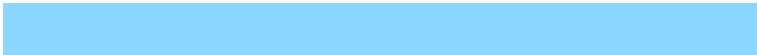
61.0090, 0.2914, 0.2702

# Square

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



61.0090, 0.2922, 0.3770



61.0090, 0.2432, 0.2784



61.0090, 0.3304, 0.2872



61.0090, 0.3869, 0.3749



# Rectangle

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



61.0090, 0.2922, 0.3770



61.0090, 0.2472, 0.3167



61.0090, 0.3304, 0.2872



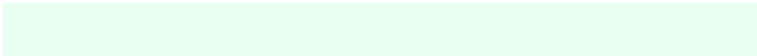
61.0090, 0.3827, 0.3347

# Sweetspot

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



61.0115, 0.2922, 0.3770



95.0790, 0.3061, 0.3423



64.2840, 0.3360, 0.4070



20.1919, 0.3051, 0.3446



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

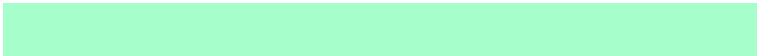


# Same Dimension

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



61.0115, 0.2922, 0.3770



83.9313, 0.2884, 0.3888



62.4731, 0.2736, 0.3355



14.6970, 0.3059, 0.3428



30.5240, 0.2792, 0.5252



1.9945, 0.2702, 0.4927



# Inverse Universe

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



42.2977, 0.3406, 0.2856



53.4692, 0.3483, 0.2763



41.0411, 0.3720, 0.3227



13.1771, 0.3202, 0.3156



9.8546, 0.4623, 0.2320

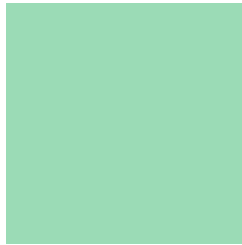


0.6555, 0.4330, 0.2159



# Previews

## White Background



This preview shows how the Yxy color 61.0090, 0.2922, 0.3770 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

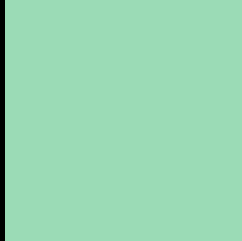
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 61.0090, 0.2922, 0.3770 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

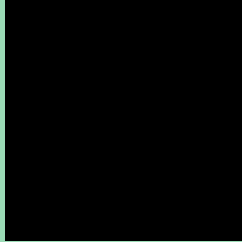
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 61.0090, 0.2922, 0.3770**

## **Background**



This preview shows how black text looks on a background with the Yxy color 61.0090, 0.2922, 0.3770.

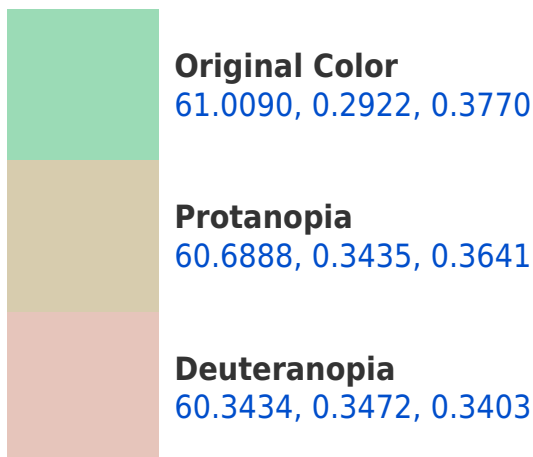


This preview shows how white text looks on a background with the Yxy color 61.0090, 0.2922, 0.3770.

# 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





## Tritanopia

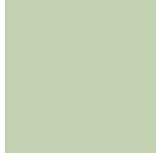
60.6366, 0.2695, 0.3083

# Trichromacy



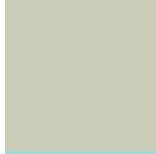
## Original Color

61.0090, 0.2922, 0.3770



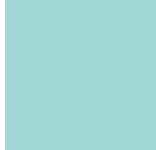
## Protanomaly

60.1127, 0.3230, 0.3682



## Deuteranomaly

59.8619, 0.3255, 0.3529



## Tritanomaly

60.9314, 0.2778, 0.3326

# Monochromacy



## Original Color

61.0090, 0.2922, 0.3770



## Achromatopsia

55.2011, 0.3127, 0.3290



## Achromatomaly

56.7711, 0.3044, 0.3453

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 61.0090, 0.2922, 0.3770 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(155, 219, 182)` looks like.

```
.text, #text, p{  
    color:rgb(155, 219, 182)  
}
```

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(155, 219, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 219, 182) }
```

## Border

The CSS property to change the border of an element to Yxy 61.0090, 0.2922, 0.3770 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(155, 219, 182) }
```

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

```
.border{ border-color:rgb(155, 219, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(155, 219, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 219, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 219, 182);  
box-shadow:4px 4px 4px 4px rgb(155, 219,  
182) }
```



# Background

The CSS property to change the background color of an element to Yxy 61.0090, 0.2922, 0.3770 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 219, 182) }
```

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

```
.background{ background-color: rgb(155,  
219, 182) }
```

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