

# Converting Colors

$Yxy(53.1873, 0.3192, 0.3961)$

Have a look what the booklet for  
Yxy(53.1873, 0.3192, 0.3961)  
contains.

<b>Yxy(53.1188, 0.3194, 0.3962)</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(53.1188, 0.3194, 0.3962)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A6CB99
RGB	166, 203, 153
RGB Percent	65%, 80%, 60%
CMY	0.3492, 0.2039, 0.4000
CMYK	0.18, 0.00, 0.25, 0.20
HSL	104°, 32%, 70%
HSV	104°, 25%, 80%
XYZ	42.8222, 53.1188, 38.1297
YIQ	186.2370, -6.0020, -23.3940

# Conversions

## Conversions Part 2

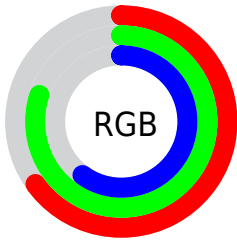
<b>Format</b>	<b>Color</b>
<b>RYB</b>	153, 203, 190
Decimal	10931097
CIELab	77.95, -21.63, 21.00
CIELCh	78, 30.148, 135.841
Yxy	53.1188, 0.3194, 0.3962
Android (android.graphics.Color)	4289121177 (0xFFA6CB99)
YUV	186.2370, -16.3858, -17.7478
Hunter-Lab	72.8826, -22.6670, 19.9994

# Details

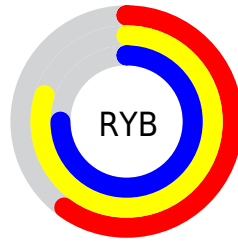
The Yxy color **53.1188, 0.3194, 0.3962** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **38.0493, 0.3036, 0.2660**, and the grayscale version is **49.3340, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.6037, 0.3191, 0.3783**, and **25.9649, 0.3195, 0.4158** is the 20% darker color. If you saturate the color by 10%, you get **50.9749, 0.3215, 0.4277**, and if you desaturate by 10%, it is **55.5716, 0.3169, 0.3670**.

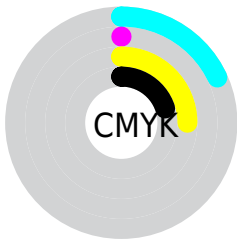
# Distribution



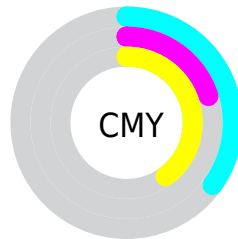
- Red (65%)
- Green (80%)
- Blue (60%)



- Red (60%)
- Yellow (80%)
- Blue (75%)



- Cyan (18%)
- Magenta (0%)
- Yellow (25%)
- Black (20%)




- Cyan (35%)
- Magenta (20%)
- Yellow (40%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 53.1188, 0.3194, 0.3962 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 53.1188, 0.3194, 0.3962 by changing the saturation by 10% instead.




 53.1188, 0.3194,  
0.3962

 53.1188, 0.3194,  
0.3962


398.7407, 0.3168,  
0.3621

 37.8976, 0.3198,  
0.4048

 94.7792, 0.3186,  
0.3837

 25.9032, 0.3202,  
0.4159


 121.9871, 0.3183,  
0.3791

 16.7513, 0.3204,  
0.4308


153.9595, 0.3180,  
0.3752

 10.0573, 0.3202,  
0.4516

191.0806, 0.3177,  
0.3718

 5.4370, 0.3189,  
0.4827

233.7349, 0.3174,  
0.3689

 2.5059, 0.3153,  
0.5361

282.3067, 0.3172,

 0.8796, 0.2594,

0.3664

0.7406

337.1806, 0.3170,  
0.3641

0.0000, 0.0000,  
0.0000

53.1188, 0.3194,  
0.3962

53.1188, 0.3194,  
0.3962

50.9749, 0.3215,  
0.4277

55.5716, 0.3169,  
0.3670

49.1208, 0.3228,  
0.4605

58.3381, 0.3141,  
0.3404

47.5455, 0.3232,  
0.4933

61.4315, 0.3112,  
0.3166

46.2349, 0.3225,  
0.5242

64.8623, 0.3082,  
0.2956

45.1733, 0.3204,  
0.5512

68.6403, 0.3054,  
0.2770

■ 44.3432, 0.3170,  
0.5723

■ 71.2005, 0.3151,  
0.2782

■ 43.7244, 0.3127,  
0.5864

■ 43.4653, 0.3104,  
0.5917

# Harmonies

## Analogous

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



53.1188, 0.3580, 0.4006



53.1188, 0.3194, 0.3962



53.1188, 0.2805, 0.3696

# Triad

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



53.1188, 0.3194, 0.3962



53.1188, 0.2437, 0.2710



53.1188, 0.3772, 0.3225

# Complementary

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



53.1188, 0.3194, 0.3962



38.0493, 0.3036, 0.2660

# 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.



53.1188, 0.3430, 0.2927



53.1188, 0.3194, 0.3962



53.1188, 0.2661, 0.2636

# Square

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



53.1188, 0.3194, 0.3962



53.1188, 0.2386, 0.2945



53.1188, 0.3019, 0.2717



53.1188, 0.3930, 0.3553



# Rectangle

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



53.1188, 0.3194, 0.3962



53.1188, 0.2596, 0.3441



53.1188, 0.3019, 0.2717



53.1188, 0.3674, 0.3119

# Sweetspot

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



53.1211, 0.3194, 0.3962



96.4799, 0.3148, 0.3466



51.6866, 0.3532, 0.3747



20.5885, 0.3149, 0.3482



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

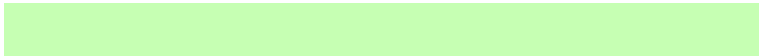


# Same Dimension

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



53.1211, 0.3194, 0.3962



86.8014, 0.3207, 0.4141



52.1967, 0.3016, 0.3816



12.6750, 0.3154, 0.3527



27.6932, 0.3113, 0.5911



1.4662, 0.3260, 0.5793



# Inverse Universe

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



38.0493, 0.3036, 0.2660



56.9559, 0.3008, 0.2505



39.2565, 0.3262, 0.2816



11.2519, 0.3097, 0.3059



6.9435, 0.2567, 0.1188

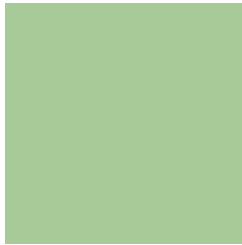


0.3934, 0.2698, 0.1260



# Previews

## White Background



This preview shows how the Yxy color 53.1188, 0.3194, 0.3962 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 53.1188, 0.3194, 0.3962 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

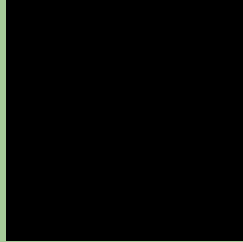
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 53.1188, 0.3194, 0.3962**

## **Background**



This preview shows how black text looks on a background with the Yxy color 53.1188, 0.3194, 0.3962.



This preview shows how white text looks on a background with the Yxy color 53.1188, 0.3194, 0.3962.

# 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

53.1188, 0.3194, 0.3962

### Protanopia

52.8165, 0.3583, 0.3833

### Deuteranopia

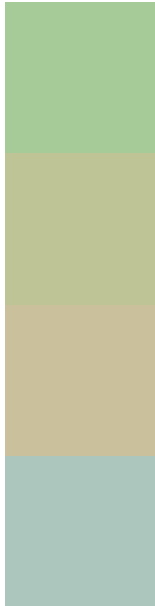
52.8202, 0.3691, 0.3619



## Tritanopia

52.8473, 0.2862, 0.3090

# Trichromacy



**Original Color**

53.1188, 0.3194, 0.3962

**Protanomaly**

52.7582, 0.3434, 0.3877

**Deuteranomaly**

52.6561, 0.3493, 0.3737

**Tritanomaly**

52.8765, 0.2984, 0.3393

# Monochromacy



**Original Color**

53.1188, 0.3194, 0.3962

**Achromatopsia**

49.1021, 0.3127, 0.3290

**Achromatomaly**

50.3390, 0.3157, 0.3525

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 53.1188, 0.3194, 0.3962 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(166, 203, 153)` looks like.

```
.text, #text, p{  
    color:rgb(166, 203, 153)  
}
```

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(166, 203, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 203, 153) }
```

## Border

The CSS property to change the border of an element to Yxy 53.1188, 0.3194, 0.3962 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(166, 203, 153) }
```

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

```
.border{ border-color:rgb(166, 203, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 203, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(166, 203, 153); -webkit-box-shadow:4px 4px 4px 4px rgb(166, 203, 153); box-shadow:4px 4px 4px 4px rgb(166, 203, 153) }
```



# Background

The CSS property to change the background color of an element to Yxy 53.1188, 0.3194, 0.3962 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 203, 153) }
```

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

```
.background{ background-color: rgb(166,  
203, 153) }
```

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