

# Converting Colors

$Yxy(38.9677, 0.2733, 0.3539)$

Have a look what the booklet for  
Yxy(38.9677, 0.2733, 0.3539)  
contains.

<b>Yxy(38.9677, 0.2733, 0.3539)</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(38.9677, 0.2733, 0.3539)**

# Conversions

## Conversions Part 1

Format	Color
Hex	73B4A4
RGB	115, 180, 164
RGB Percent	45%, 71%, 64%
CMY	0.5489, 0.2941, 0.3569
CMYK	0.36, 0.00, 0.09, 0.29
HSL	165°, 30%, 58%
HSV	165°, 36%, 71%
XYZ	30.0929, 38.9677, 41.0488
YIQ	158.7410, -33.6040, -18.7560

# Conversions

## Conversions Part 2

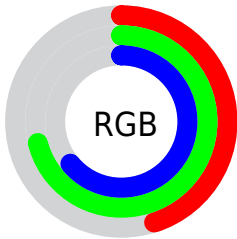
<b>Format</b>	<b>Color</b>
<b>RYB</b>	115, 152, 180
Decimal	7582884
CIELab	68.73, -24.42, 1.60
CIELCh	69, 24.475, 176.248
Yxy	38.9677, 0.2733, 0.3539
Android (android.graphics.Color)	4285772964 (0xFF73B4A4)
YUV	158.7410, 2.5927, -38.3609
Hunter-Lab	62.4241, -23.1924, 4.7090

# Details

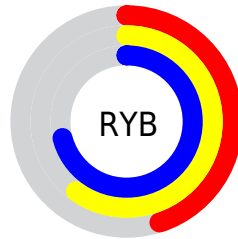
The Yxy color **38.9677, 0.2733, 0.3539** is a light color, and the websafe version is hex **669999**. A complement of this color would be **23.6097, 0.3765, 0.3059**, and the grayscale version is **34.5482, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.5404, 0.2806, 0.3489**, and **17.4054, 0.2618, 0.3626** is the 20% darker color. If you saturate the color by 10%, you get **37.7080, 0.2646, 0.3621**, and if you desaturate by 10%, it is **40.4744, 0.2832, 0.3462**.

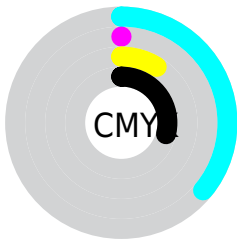
# Distribution



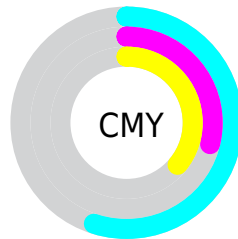
- Red (45%)
- Green (71%)
- Blue (64%)



- Red (45%)
- Yellow (60%)
- Blue (71%)



- Cyan (36%)
- Magenta (0%)
- Yellow (9%)
- Black (29%)




- Cyan (55%)
- Magenta (29%)
- Yellow (36%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 38.9677, 0.2733, 0.3539 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 38.9677, 0.2733, 0.3539 by changing the saturation by 10% instead.





 38.9677, 0.2733,  
0.3539


 38.9677, 0.2733,  
0.3539


341.7531, 0.2936,  
0.3410


 26.7346, 0.2680,  
0.3573


 73.5890, 0.2808,  
0.3491

 17.3740, 0.2612,  
0.3617


 96.7459, 0.2836,  
0.3473

 10.5015, 0.2518,  
0.3678


 124.3130, 0.2859,  
0.3459

 5.7327, 0.2384,  
0.3766

156.6745, 0.2879,  
0.3446

 2.6832, 0.2175,  
0.3905

194.2149, 0.2896,  
0.3435

 0.9687, 0.1444,  
0.4342

237.3185, 0.2911,

 0.0000, 0.0000,

0.3426

0.0000

286.3698, 0.2924,  
0.3417

■ 38.9677, 0.2733,  
0.3539

■ 38.9677, 0.2733,  
0.3539

■ 37.7080, 0.2646,  
0.3621

■ 40.4744, 0.2832,  
0.3462

■ 36.6766, 0.2575,  
0.3707

■ 42.2363, 0.2940,  
0.3391

■ 35.8597, 0.2520,  
0.3796


■ 44.2668, 0.3055,  
0.3327

■ 35.2399, 0.2484,  
0.3887


■ 46.5772, 0.3174,  
0.3268

■ 34.7971, 0.2468,  
0.3978


■ 49.1780, 0.3294,  
0.3215


 34.5050, 0.2470,  
0.4068

 52.0791, 0.3415,  
0.3169

 34.4103, 0.2473,  
0.4104

 55.2902, 0.3533,  
0.3128

 58.0492, 0.3615,  
0.3089

 58.2590, 0.3576,  
0.3043

# Harmonies

## Analogous

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



38.9677, 0.3063, 0.3828



38.9677, 0.2733, 0.3539



38.9677, 0.2515, 0.3186

# Triad

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



38.9677, 0.2733, 0.3539



38.9677, 0.2808, 0.2707



38.9677, 0.3850, 0.3630

# Complementary

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



38.9677, 0.2733, 0.3539



23.6097, 0.3765, 0.3059

# 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.



38.9677, 0.3779, 0.3337



38.9677, 0.2733, 0.3539



38.9677, 0.3159, 0.2824

# Square

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



38.9677, 0.2733, 0.3539



38.9677, 0.2556, 0.2725



38.9677, 0.3520, 0.3049



38.9677, 0.3715, 0.3858



# Rectangle

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



38.9677, 0.2733, 0.3539



38.9677, 0.2455, 0.2978



38.9677, 0.3520, 0.3049



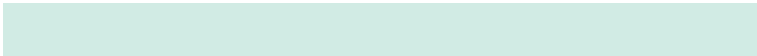
38.9677, 0.3850, 0.3536

# Sweetspot

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



38.9693, 0.2733, 0.3539



78.3278, 0.2996, 0.3359



38.7282, 0.3212, 0.4316



16.8248, 0.2981, 0.3367



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.



38.9693, 0.2733, 0.3539



68.8732, 0.2666, 0.3601



33.4056, 0.2593, 0.3035



9.5950, 0.3018, 0.3347



24.0268, 0.2470, 0.4093



0.7646, 0.2400, 0.3841



# Inverse Universe

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



23.6097, 0.3765, 0.3059



37.0566, 0.3968, 0.3011



27.2461, 0.3894, 0.3529



8.5385, 0.3250, 0.3234



6.9104, 0.5907, 0.3027



0.2269, 0.5115, 0.2592



# Previews

## White Background



This preview shows how the Yxy color 38.9677, 0.2733, 0.3539 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 38.9677, 0.2733, 0.3539 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

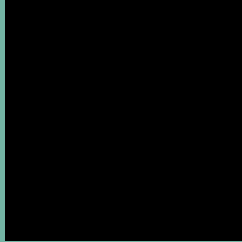
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 38.9677, 0.2733, 0.3539**

## Background



This preview shows how black text looks on a background with the Yxy color 38.9677, 0.2733, 0.3539.



This preview shows how white text looks on a background with the Yxy color 38.9677, 0.2733, 0.3539.

# 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

38.9677, 0.2733, 0.3539

### Protanopia

38.4434, 0.3271, 0.3431

### Deuteranopia

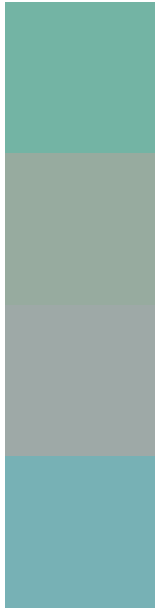
38.6129, 0.3265, 0.3209



## Tritanopia

38.8333, 0.2595, 0.3081

# Trichromacy



**Original Color**

38.9677, 0.2733, 0.3539

**Protanomaly**

38.2083, 0.3048, 0.3467

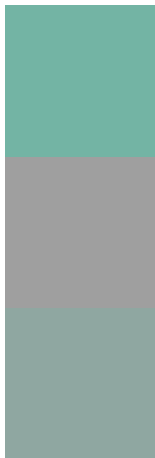
**Deuteranomaly**

38.4351, 0.3045, 0.3319

**Tritanomaly**

38.7024, 0.2642, 0.3228

# Monochromacy



**Original Color**

38.9677, 0.2733, 0.3539

**Achromatopsia**

34.6704, 0.3127, 0.3290

**Achromatomaly**

36.0503, 0.2961, 0.3380

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 38.9677, 0.2733, 0.3539 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(115, 180, 164)` looks like.

```
.text, #text, p{  
    color:rgb(115, 180, 164)  
}
```

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(115, 180, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 180, 164) }
```

## Border

The CSS property to change the border of an element to Yxy 38.9677, 0.2733, 0.3539 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(115, 180, 164) }
```

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

```
.border{ border-color:rgb(115, 180, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(115, 180, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(115, 180, 164); -webkit-box-shadow:4px 4px 4px 4px rgb(115, 180, 164); box-shadow:4px 4px 4px 4px rgb(115, 180, 164) }
```



# Background

The CSS property to change the background color of an element to Yxy 38.9677, 0.2733, 0.3539 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 180, 164) }
```

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

```
.background{ background-color: rgb(115,  
180, 164) }
```

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