

# Converting Colors

$Y_{xy}(36.1000, 0.2512, 0.3111)$

Have a look what the booklet for  
Yxy(36.1000, 0.2512, 0.3111)  
contains.

**Yxy(36.2314, 0.2511, 0.3117) ..... 3**

***Conversions*** ..... 4

***Details*** ..... 6

***Harmonies*** ..... 12

***Previews*** ..... 24

***Color Blindness Simulation*** ..... 27

***CSS Examples*** ..... 30

# Color

**Yxy(36.2314, 0.2511, 0.3117)**

# Conversions

Conversions Part 1	
Format	Color
Hex	67ADB8
RGB	103, 173, 184
RGB Percent	40%, 68%, 72%
CMY	0.5962, 0.3215, 0.2783
CMYK	0.44, 0.06, 0.00, 0.28
HSL	188°, 36%, 56%
HSV	188°, 44%, 72%
XYZ	29.1874, 36.2314, 50.8193
YIQ	153.3240, -45.2510, -11.4190

# Conversions

## Conversions Part 2

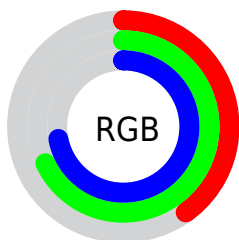
Format	Color
<a href="#">RYB</a>	<a href="#">103, 141, 184</a>
Decimal	<a href="#">6794680</a>
CIELab	<a href="#">66.70, -19.12, -12.56</a>
CIELCh	<a href="#">67, 22.875, 213.299</a>
Yxy	<a href="#">36.2314, 0.2511, 0.3117</a>
Android (android.graphics.Color)	<a href="#">4284984760</a> (0xFF67ADB8)
YUV	<a href="#">153.3240, 15.1233, -44.1341</a>
Hunter-Lab	<a href="#">60.1925, -18.7822, -7.9225</a>

# Details

The Yxy color **36.2314, 0.2511, 0.3117** is a light color, and the websafe version is hex **669999**. A complement of this color would be **23.2031, 0.4199, 0.3450**, and the grayscale version is **31.9484, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.5990, 0.2626, 0.3160**, and **15.6760, 0.2326, 0.3042** is the 20% darker color. If you saturate the color by 10%, you get **34.3114, 0.2402, 0.3071**, and if you desaturate by 10%, it is **38.4116, 0.2635, 0.3161**.

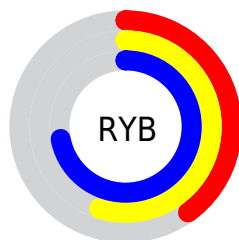
# Distribution



Red (40%)

Green (68%)

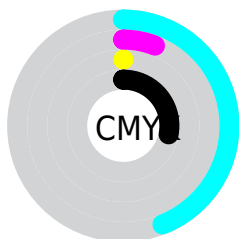
Blue (72%)



Red (40%)

Yellow (55%)

Blue (72%)

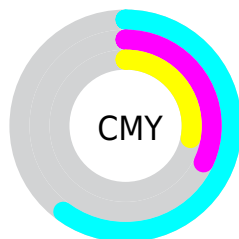


Cyan (44%)

Magenta (6%)

Yellow (0%)

Black (28%)



Cyan (60%)

Magenta (32%)

Yellow (28%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 36.2314, 0.2511, 0.3117 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 36.2314, 0.2511, 0.3117 by changing the saturation by 10% instead.





 36.2314, 0.2511,  
0.3117


 36.2314, 0.2511,  
0.3117


329.9708, 0.2825,  
0.3214

 24.6130, 0.2431,  
0.3089


 69.3891, 0.2626,  
0.3155


 15.7889, 0.2327,  
0.3052


 91.6971, 0.2669,  
0.3168

 9.3749, 0.2189,  
0.2998


 118.3371, 0.2706,  
0.3179

 4.9865, 0.1994,  
0.2915

 149.6935, 0.2737,  
0.3188

 2.2394, 0.1703,  
0.2774

186.1507, 0.2763,  
0.3196

 0.7413, 0.0832,  
0.2593

228.0930, 0.2787,


 0.0000, 0.0000,


0.3203


0.0000


275.9049, 0.2807,  
0.3209


 36.2314, 0.2511,  
0.3117


 36.2314, 0.2511,  
0.3117


 34.3114, 0.2402,  
0.3071


 38.4116, 0.2635,  
0.3161


 32.6314, 0.2309,  
0.3024


 40.8624, 0.2771,  
0.3202


 31.1750, 0.2235,  
0.2977


 43.5986, 0.2915,  
0.3241

 29.9215, 0.2180,  
0.2929

 46.6326, 0.3065,  
0.3276

 28.8461, 0.2143,  
0.2882


 49.9761, 0.3219,  
0.3309

 28.2606, 0.2126,  
0.2854

 53.6402, 0.3372,  
0.3338

 57.6354, 0.3525,  
0.3364

 61.9716, 0.3674,  
0.3387

 63.9900, 0.3707,  
0.3412

# Harmonies

## Analogous

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



36.2314, 0.2688, 0.3450



36.2314, 0.2511, 0.3117



36.2314, 0.2489, 0.2859

# Triad

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



36.2314, 0.2511, 0.3117



36.2314, 0.3242, 0.2886



36.2314, 0.3636, 0.3869

# Complementary

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



36.2314, 0.2511, 0.3117



23.2031, 0.4199, 0.3450

# 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.



36.2314, 0.3806, 0.3677



36.2314, 0.2511, 0.3117



36.2314, 0.3574, 0.3121

# Square

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



36.2314, 0.2511, 0.3117



36.2314, 0.2895, 0.2745



36.2314, 0.3785, 0.3404



36.2314, 0.3333, 0.3906



# Rectangle

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



36.2314, 0.2511, 0.3117



36.2314, 0.2563, 0.2758



36.2314, 0.3785, 0.3404



36.2314, 0.3711, 0.3818

# Sweetspot

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



36.2328, 0.2511, 0.3117



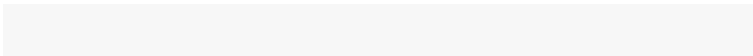
79.4435, 0.2927, 0.3244



38.3848, 0.2994, 0.4461



16.8795, 0.2895, 0.3236



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290



# Same Dimension

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



36.2328, 0.2511, 0.3117



62.2299, 0.2403, 0.3072



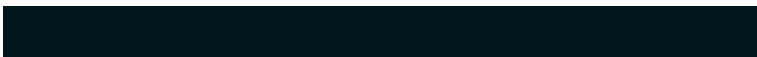
23.0317, 0.2397, 0.2444



9.9967, 0.2985, 0.3258



19.5454, 0.2128, 0.2860



0.7471, 0.2161, 0.2981



# Inverse Universe

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



22.9035, 0.3305, 0.2353



35.5038, 0.3354, 0.2167



34.3844, 0.3939, 0.4004



9.1412, 0.3158, 0.3095



8.7555, 0.3580, 0.1746



0.3145, 0.3471, 0.1686



# Previews

## White Background



This preview shows how the Yxy color 36.2314, 0.2511, 0.3117 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

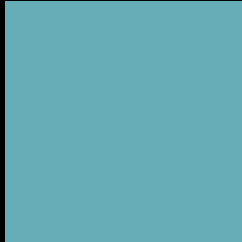
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 36.2314, 0.2511, 0.3117 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

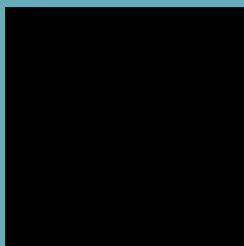
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 36.2314, 0.2511, 0.3117**

## Background



This preview shows how black text looks on a background with the Yxy color 36.2314, 0.2511, 0.3117.



This preview shows how white text looks on a background with the Yxy color 36.2314, 0.2511, 0.3117.

# 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

36.2314, 0.2511, 0.3117

### Protanopia

35.7498, 0.2989, 0.3061

### Deuteranopia

36.0409, 0.2942, 0.2888



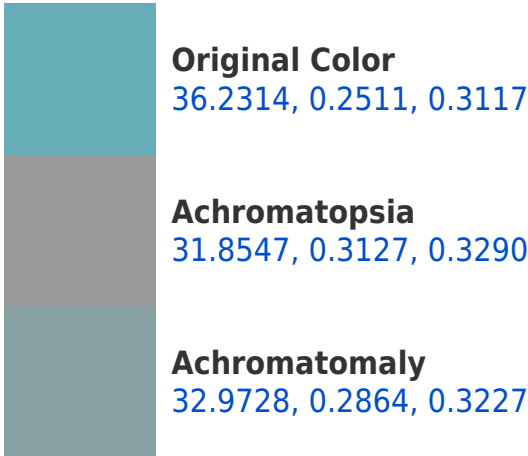
## **Tritanopia**

36.4181, 0.2499, 0.3073

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 36.2314, 0.2511, 0.3117 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(103, 173, 184)` looks like.

```
.text, #text, p{  
    color:rgb(103, 173, 184)  
}
```

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(103, 173, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 173, 184) }
```

## Border

The CSS property to change the border of an element to Yxy 36.2314, 0.2511, 0.3117 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(103, 173, 184) }
```

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

```
.border{ border-color:rgb(103, 173, 184) }
```

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

Here you see how a box with a 4 pixel rgb(103, 173, 184) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 173, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 173, 184);  
box-shadow:4px 4px 4px 4px rgb(103, 173,  
184) }
```



# Background

The CSS property to change the background color of an element to Yxy 36.2314, 0.2511, 0.3117 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 173, 184) }
```

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

```
.background{ background-color: rgb(103,  
173, 184) }
```

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