

# Converting Colors

$Y_{xy}(31.0262, 0.2593, 0.3239)$

Have a look what the booklet for  
Yxy(31.0262, 0.2593, 0.3239)  
contains.

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# Color

**Yxy(30.9368, 0.2597, 0.3238)**

# Conversions

## Conversions Part 1

Format	Color
Hex	65A1A4
RGB	101, 161, 164
RGB Percent	40%, 63%, 64%
CMY	0.6040, 0.3686, 0.3568
CMYK	0.38, 0.02, 0.00, 0.36
HSL	183°, 26%, 52%
HSV	183°, 38%, 64%
XYZ	24.8125, 30.9368, 39.7936
YIQ	143.4020, -36.7230, -11.7870

# Conversions

## Conversions Part 2

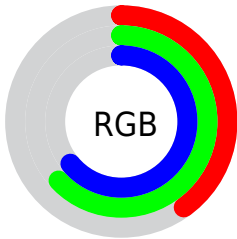
<b>Format</b>	<b>Color</b>
<b>RYB</b>	101, 132, 164
Decimal	6660516
CIELab	62.45, -18.61, -7.73
CIELCh	62, 20.149, 202.550
Yxy	30.9368, 0.2597, 0.3238
Android (android.graphics.Color)	4284850596 (0xFF65A1A4)
YUV	143.4020, 10.1548, -37.1866
Hunter-Lab	55.6209, -17.7075, -3.4841

# Details

The Yxy color **30.9368, 0.2597, 0.3238** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **18.7348, 0.4032, 0.3341**, and the grayscale version is **27.6067, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.1948, 0.2702, 0.3252**, and **12.7355, 0.2426, 0.3214** is the 20% darker color. If you saturate the color by 10%, you get **29.8107, 0.2489, 0.3223**, and if you desaturate by 10%, it is **32.2560, 0.2720, 0.3253**.

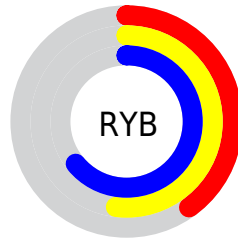
# Distribution



Red (40%)

Green (63%)

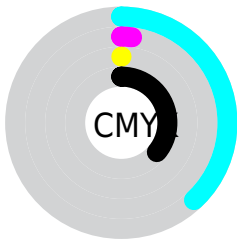
Blue (64%)



Red (40%)

Yellow (52%)

Blue (64%)

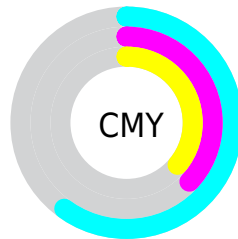


Cyan (38%)

Magenta (2%)

Yellow (0%)

Black (36%)



Cyan (60%)

Magenta (37%)


Yellow (36%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 30.9368, 0.2597, 0.3238 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 30.9368, 0.2597, 0.3238 by changing the saturation by 10% instead.





 30.9368, 0.2597,  
0.3238


 30.9368, 0.2597,  
0.3238


306.2471, 0.2876,  
0.3271


 20.5507, 0.2523,  
0.3227


 61.1406, 0.2702,  
0.3252


 12.7960, 0.2425,  
0.3211


 81.7270, 0.2740,  
0.3256

 7.2882, 0.2289,  
0.3187


 106.4824, 0.2772,  
0.3260

 3.6430, 0.2091,  
0.3144

 135.7911, 0.2799,  
0.3263

 1.4759, 0.1775,  
0.3059

170.0376, 0.2822,  
0.3265

 0.2717, 0.0000,  
0.2453

209.6061, 0.2843,

 0.0000, 0.0000,

0.3268

0.0000

254.8811, 0.2860,  
0.3269

■ 30.9368, 0.2597,  
0.3238

■ 30.9368, 0.2597,  
0.3238

■ 29.8107, 0.2489,  
0.3223

■ 32.2560, 0.2720,  
0.3253

■ 28.8627, 0.2397,  
0.3207

■ 33.7750, 0.2855,  
0.3267

■ 28.0816, 0.2323,  
0.3191

■ 35.5046, 0.3000,  
0.3280


■ 27.4531, 0.2268,  
0.3175


■ 37.4539, 0.3151,  
0.3292


■ 26.9609, 0.2231,  
0.3159


■ 39.6313, 0.3306,  
0.3303

 26.5745, 0.2209,  
0.3144

 42.0448, 0.3462,  
0.3313

 26.5165, 0.2206,  
0.3142

 44.7020, 0.3618,  
0.3322

 47.6103, 0.3770,  
0.3329

 50.7766, 0.3919,  
0.3336

# Harmonies

## Analogous

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



30.9368, 0.2809, 0.3548



30.9368, 0.2597, 0.3238



30.9368, 0.2522, 0.2964

# Triad

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



30.9368, 0.2597, 0.3238



30.9368, 0.3116, 0.2854



30.9368, 0.3675, 0.3778

# Complementary

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



30.9368, 0.2597, 0.3238



18.7348, 0.4032, 0.3341

# 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.



30.9368, 0.3772, 0.3566



30.9368, 0.2597, 0.3238



30.9368, 0.3440, 0.3047

# Square

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



30.9368, 0.2597, 0.3238



30.9368, 0.2810, 0.2762



30.9368, 0.3685, 0.3302



30.9368, 0.3430, 0.3868



# Rectangle

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



30.9368, 0.2597, 0.3238



30.9368, 0.2556, 0.2839



30.9368, 0.3685, 0.3302



30.9368, 0.3726, 0.3718

# Sweetspot

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



30.9380, 0.2597, 0.3238



63.1935, 0.2944, 0.3275



30.3044, 0.3058, 0.4392



13.7316, 0.2927, 0.3273



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290



# Same Dimension

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



30.9380, 0.2597, 0.3238



54.3963, 0.2505, 0.3225



21.5193, 0.2518, 0.2695



7.9529, 0.2988, 0.3279



20.3468, 0.2206, 0.3143



0.4440, 0.2222, 0.3200



# Inverse Universe

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



19.7727, 0.3207, 0.2402



31.3683, 0.3226, 0.2221



26.0514, 0.3848, 0.3816



7.1963, 0.3144, 0.3079



7.8981, 0.3330, 0.1608

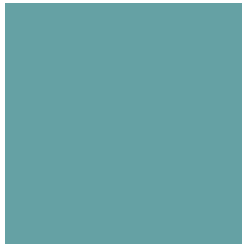


0.1676, 0.3282, 0.1582



# Previews

## White Background



This preview shows how the Yxy color 30.9368, 0.2597, 0.3238 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 30.9368, 0.2597, 0.3238 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

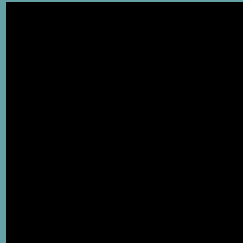
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

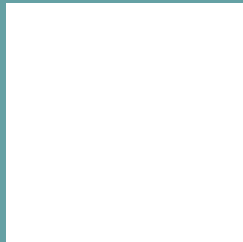
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 30.9368, 0.2597, 0.3238**

## Background



This preview shows how black text looks on a background with the Yxy color 30.9368, 0.2597, 0.3238.

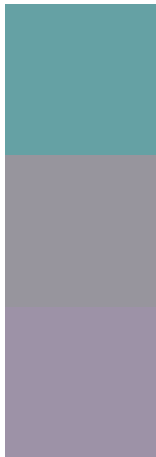


This preview shows how white text looks on a background with the Yxy color 30.9368, 0.2597, 0.3238.

# 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

30.9368, 0.2597, 0.3238

### Protanopia

30.5085, 0.3072, 0.3167

### Deuteranopia

30.5159, 0.3040, 0.2978



## Tritanopia

31.0423, 0.2547, 0.3076

# Trichromacy



**Original Color**

30.9368, 0.2597, 0.3238

**Protanomaly**

30.3071, 0.2874, 0.3178

**Deuteranomaly**

30.2048, 0.2858, 0.3054

**Tritanomaly**

30.8687, 0.2561, 0.3123

# Monochromacy



**Original Color**

30.9368, 0.2597, 0.3238

**Achromatopsia**

27.4677, 0.3127, 0.3290

**Achromatomaly**

28.6363, 0.2902, 0.3273

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 30.9368, 0.2597, 0.3238 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(101, 161, 164)` looks like.

```
.text, #text, p{  
    color:rgb(101, 161, 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(101, 161, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 161, 164) }
```

## Border

The CSS property to change the border of an element to Yxy 30.9368, 0.2597, 0.3238 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(101, 161, 164) }
```

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

```
.border{ border-color:rgb(101, 161, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(101, 161, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 161, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 161, 164);  
box-shadow:4px 4px 4px 4px rgb(101, 161,  
164) }
```



# Background

The CSS property to change the background color of an element to Yxy 30.9368, 0.2597, 0.3238 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 161, 164) }
```

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

```
.background{ background-color: rgb(101,  
161, 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](#).

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