

# Converting Colors

$Y_{xy}(29.4760, 0.2895, 0.3725)$

Have a look what the booklet for  
Yxy(29.4760, 0.2895, 0.3725)  
contains.

<b>Yxy(29.4622, 0.2897, 0.3728)</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(29.4622, 0.2897, 0.3728)**

# Conversions

## Conversions Part 1

Format	Color
Hex	6E9E85
RGB	110, 158, 133
RGB Percent	43%, 62%, 52%
CMY	0.5685, 0.3804, 0.4784
CMYK	0.30, 0.00, 0.16, 0.38
HSL	149°, 20%, 53%
HSV	149°, 30%, 62%
XYZ	22.8948, 29.4622, 26.6725
YIQ	140.7980, -20.5830, -17.9510

# Conversions

## Conversions Part 2

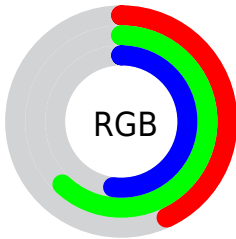
<b>Format</b>	<b>Color</b>
<b>RYB</b>	110, 142, 158
Decimal	7249541
CIELab	61.19, -21.60, 7.94
CIELCh	61, 23.015, 159.816
Yxy	29.4622, 0.2897, 0.3728
Android (android.graphics.Color)	4285439621 (0xFF6E9E85)
YUV	140.7980, -3.8444, -27.0098
Hunter-Lab	54.2791, -19.6974, 8.8606

# Details

The Yxy color  $29.4622, 0.2897, 0.3728$  is a dark color, and the websafe version is hex  $669999$ . A complement of this color would be  $20.1793, 0.3447, 0.2891$ , and the grayscale version is  $26.5780, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $58.9202, 0.2948, 0.3637$ , and  $11.8933, 0.2813, 0.3900$  is the 20% darker color. If you saturate the color by 10%, you get  $28.3195, 0.2832, 0.3902$ , and if you desaturate by 10%, it is  $30.8059, 0.2969, 0.3569$ .

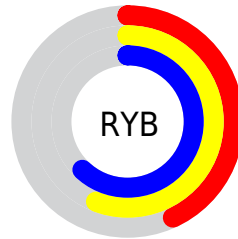
# Distribution



Red (43%)

Green (62%)

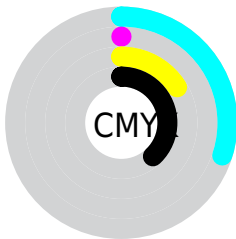
Blue (52%)



Red (43%)

Yellow (56%)

Blue (62%)

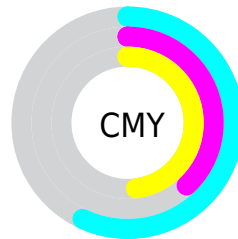


Cyan (30%)

Magenta (0%)

Yellow (16%)

Black (38%)



Cyan (57%)

Magenta (38%)


Yellow (48%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 29.4622, 0.2897, 0.3728 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 29.4622, 0.2897, 0.3728 by changing the saturation by 10% instead.





 29.4622, 0.2897,  
0.3728


 29.4622, 0.2897,  
0.3728


299.3895, 0.3024,  
0.3486


 19.4307, 0.2861,  
0.3798


 58.8106, 0.2946,  
0.3634


 11.9819, 0.2811,  
0.3894


 78.8964, 0.2964,  
0.3600

 6.7314, 0.2738,  
0.4034


 103.1024, 0.2978,  
0.3573

 3.2947, 0.2622,  
0.4259

 131.8130, 0.2990,  
0.3550

 1.2874, 0.2380,  
0.4715

165.4126, 0.3001,  
0.3530

 0.1315, 0.0000,  
1.0000

204.2857, 0.3010,

 0.0000, 0.0000,

0.3513

0.0000

248.8165, 0.3017,  
0.3499

■ 29.4622, 0.2897,  
0.3728

■ 29.4622, 0.2897,  
0.3728

■ 28.3195, 0.2832,  
0.3902

■ 30.8059, 0.2969,  
0.3569

■ 27.3642, 0.2777,  
0.4088

■ 32.3562, 0.3046,  
0.3424

■ 26.5865, 0.2735,  
0.4283


■ 34.1230, 0.3124,  
0.3294


■ 25.9743, 0.2709,  
0.4484


■ 36.1146, 0.3203,  
0.3179


■ 25.5141, 0.2702,  
0.4684

■ 38.3386, 0.3281,  
0.3077


 25.1898, 0.2714,  
0.4879

 40.8024, 0.3357,  
0.2987

 24.9694, 0.2738,  
0.5057

 43.5131, 0.3429,  
0.2909

 46.4774, 0.3499,  
0.2840

 49.7018, 0.3565,  
0.2780

# Harmonies

## Analogous

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



29.4622, 0.3267, 0.3938



29.4622, 0.2897, 0.3728



29.4622, 0.2601, 0.3382

# Triad

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



29.4622, 0.2897, 0.3728



29.4622, 0.2639, 0.2681



29.4622, 0.3860, 0.3477

# Complementary

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



29.4622, 0.2897, 0.3728



20.1793, 0.3447, 0.2891

# 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.



29.4622, 0.3673, 0.3171



29.4622, 0.2897, 0.3728



29.4622, 0.2953, 0.2728

# Square

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



29.4622, 0.2897, 0.3728



29.4622, 0.2460, 0.2783



29.4622, 0.3333, 0.2904



29.4622, 0.3835, 0.3759



# Rectangle

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



29.4622, 0.2897, 0.3728



29.4622, 0.2479, 0.3141



29.4622, 0.3333, 0.2904



29.4622, 0.3820, 0.3374

# Sweetspot

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



29.4634, 0.2897, 0.3728



59.1192, 0.3055, 0.3408



30.7810, 0.3338, 0.4088



13.2339, 0.3044, 0.3427



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290



# Same Dimension

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



29.4634, 0.2897, 0.3728



52.1488, 0.2855, 0.3837



30.1835, 0.2713, 0.3316



7.4513, 0.3054, 0.3409



20.0071, 0.2734, 0.5043



0.3662, 0.2529, 0.4302



# Inverse Universe

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



20.1793, 0.3447, 0.2891



32.6933, 0.3537, 0.2805



19.5911, 0.3765, 0.3266



6.7010, 0.3207, 0.3174



6.3218, 0.4829, 0.2434



0.1216, 0.4049, 0.2004



# Previews

## White Background



This preview shows how the Yxy color 29.4622, 0.2897, 0.3728 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

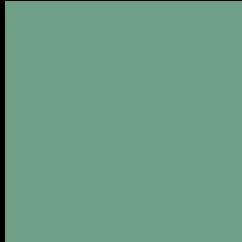
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the Yxy color 29.4622, 0.2897, 0.3728 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 × Fail

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

**Yxy 29.4622, 0.2897, 0.3728**

## **Background**



This preview shows how black text looks on a background with the Yxy color 29.4622, 0.2897, 0.3728.



This preview shows how white text looks on a background with the Yxy color 29.4622, 0.2897, 0.3728.

# 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

29.4622, 0.2897, 0.3728

### Protanopia

29.2698, 0.3401, 0.3608

### Deuteranopia

29.1229, 0.3441, 0.3382



## Tritanopia

29.3175, 0.2687, 0.3076

# Trichromacy



## Original Color

29.4622, 0.2897, 0.3728

## Protanomaly

29.1215, 0.3202, 0.3655

## Deuteranomaly

28.9488, 0.3222, 0.3501

## Tritanomaly

29.3532, 0.2758, 0.3306

# Monochromacy



## Original Color

29.4622, 0.2897, 0.3728

## Achromatopsia

26.6356, 0.3127, 0.3290

## Achromatomaly

27.4482, 0.3038, 0.3442

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  29.4622, 0.2897, 0.3728 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(110, 158, 133)` looks like.

```
.text, #text, p{  
    color:rgb(110, 158, 133)  
}
```

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(110, 158, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 158, 133) }
```

## Border

The CSS property to change the border of an element to Yxy 29.4622, 0.2897, 0.3728 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(110, 158, 133) }
```

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

```
.border{ border-color:rgb(110, 158, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(110, 158, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(110, 158, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(110, 158, 133);  
box-shadow:4px 4px 4px 4px rgb(110, 158,  
133) }
```



# Background

The CSS property to change the background color of an element to Yxy 29.4622, 0.2897, 0.3728 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 158, 133) }
```

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

```
.background{ background-color: rgb(110,  
158, 133) }
```

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