

# Converting Colors

$Y_{xy}(29.8336, 0.2911, 0.3745)$

Have a look what the booklet for  
Yxy(29.8336, 0.2911, 0.3745)  
contains.

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# Color

**Yxy(29.8692, 0.2906, 0.3743)**

# Conversions

## Conversions Part 1

Format	Color
Hex	6F9F85
RGB	111, 159, 133
RGB Percent	44%, 62%, 52%
CMY	0.5646, 0.3765, 0.4783
CMYK	0.30, 0.00, 0.16, 0.38
HSL	148°, 20%, 53%
HSV	148°, 30%, 62%
XYZ	23.1899, 29.8692, 26.7410
YIQ	141.6840, -20.2620, -18.2620

# Conversions

## Conversions Part 2

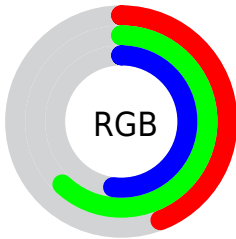
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	111, 144, 159
Decimal	7315333
CIE Lab	61.54, -21.80, 8.44
CIE LCh	62, 23.375, 158.823
Yxy	29.8692, 0.2906, 0.3743
Android (android.graphics.Color)	4285505413 (0xFF6F9F85)
YUV	141.6840, -4.2812, -26.9099
Hunter-Lab	54.6527, -19.9022, 9.2469

# Details

The Yxy color  $29.8692, 0.2906, 0.3743$  is a dark color, and the websafe version is hex  $669966$ . A complement of this color would be  $20.5493, 0.3432, 0.2879$ , and the grayscale version is  $26.9445, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $59.5308, 0.2955, 0.3649$ , and  $12.1320, 0.2826, 0.3921$  is the 20% darker color. If you saturate the color by 10%, you get  $28.7007, 0.2843, 0.3924$ , and if you desaturate by 10%, it is  $31.2433, 0.2976, 0.3577$ .

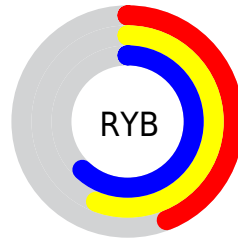
# Distribution



Red (44%)

Green (62%)

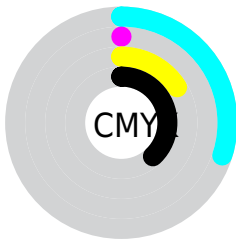
Blue (52%)



Red (44%)

Yellow (56%)

Blue (62%)

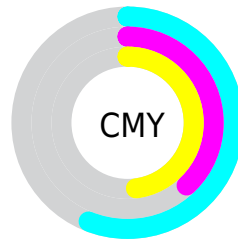


Cyan (30%)

Magenta (0%)

Yellow (16%)

Black (38%)



Cyan (56%)

Magenta (38%)


Yellow (48%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 29.8692, 0.2906, 0.3743 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 29.8692, 0.2906, 0.3743 by changing the saturation by 10% instead.





 29.8692, 0.2906,  
0.3743


 29.8692, 0.2906,  
0.3743


301.2943, 0.3028,  
0.3493


 19.7393, 0.2871,  
0.3815


 59.4553, 0.2954,  
0.3646


 12.2057, 0.2823,  
0.3914


 79.6802, 0.2970,  
0.3611

 6.8839, 0.2753,  
0.4058


 104.0391, 0.2984,  
0.3583

 3.3896, 0.2641,  
0.4289

 132.9161, 0.2996,  
0.3559

 1.3384, 0.2418,  
0.4743

166.6957, 0.3006,  
0.3539

 0.1706, 0.0000,  
1.0000

205.7624, 0.3014,

 0.0000, 0.0000,

0.3521

0.0000

250.5004, 0.3022,  
0.3506

■ 29.8692, 0.2906,  
0.3743

■ 29.8692, 0.2906,  
0.3743

■ 28.7007, 0.2843,  
0.3924

■ 31.2433, 0.2976,  
0.3577

■ 27.7238, 0.2789,  
0.4118

■ 32.8287, 0.3050,  
0.3427

■ 26.9287, 0.2749,  
0.4321


■ 34.6356, 0.3126,  
0.3292

■ 26.3031, 0.2725,  
0.4530

■ 36.6722, 0.3202,  
0.3173

■ 25.8331, 0.2718,  
0.4737


■ 38.9465, 0.3276,  
0.3067

 25.5023, 0.2731,  
0.4938

 41.4660, 0.3349,  
0.2974

 25.2757, 0.2757,  
0.5124

 44.2379, 0.3419,  
0.2893

 47.2691, 0.3485,  
0.2822

 50.5661, 0.3548,  
0.2760

# Harmonies

## Analogous

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



29.8692, 0.3281, 0.3949



29.8692, 0.2906, 0.3743



29.8692, 0.2603, 0.3395

# Triad

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



29.8692, 0.2906, 0.3743



29.8692, 0.2626, 0.2675



29.8692, 0.3866, 0.3469

# Complementary

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



29.8692, 0.2906, 0.3743



20.5493, 0.3432, 0.2879

# 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.



29.8692, 0.3670, 0.3160



29.8692, 0.2906, 0.3743



29.8692, 0.2939, 0.2719

# Square

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



29.8692, 0.2906, 0.3743



29.8692, 0.2450, 0.2783



29.8692, 0.3323, 0.2892



29.8692, 0.3847, 0.3756



# Rectangle

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



29.8692, 0.2906, 0.3743



29.8692, 0.2477, 0.3150



29.8692, 0.3323, 0.2892



29.8692, 0.3822, 0.3365

# Sweetspot

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



29.8704, 0.2906, 0.3743



59.1019, 0.3058, 0.3413



31.2966, 0.3345, 0.4081



13.2294, 0.3047, 0.3432



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.



29.8704, 0.2906, 0.3743



52.0929, 0.2864, 0.3859



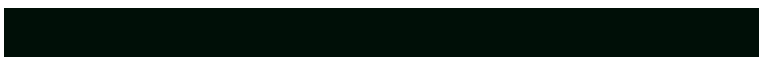
30.5970, 0.2721, 0.3329



7.4491, 0.3057, 0.3414



19.9723, 0.2752, 0.5108



0.3656, 0.2542, 0.4352



# Inverse Universe

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



20.5493, 0.3432, 0.2879



32.7511, 0.3521, 0.2787



19.9450, 0.3749, 0.3253



6.7032, 0.3204, 0.3170



6.3620, 0.4745, 0.2388



0.1222, 0.4002, 0.1978



# Previews

## White Background



This preview shows how the Yxy color 29.8692, 0.2906, 0.3743 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 29.8692, 0.2906, 0.3743 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

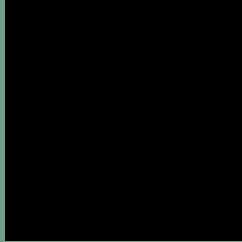
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**Yxy 29.8692, 0.2906, 0.3743**

## Background



This preview shows how black text looks on a background with the Yxy color 29.8692, 0.2906, 0.3743.



This preview shows how white text looks on a background with the Yxy color 29.8692, 0.2906, 0.3743.

# 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

29.8692, 0.2906, 0.3743

### Protanopia

29.6807, 0.3409, 0.3622

### Deuteranopia

29.6380, 0.3461, 0.3396



## Tritanopia

29.7528, 0.2689, 0.3077

# Trichromacy



## Original Color

29.8692, 0.2906, 0.3743

## Protanomaly

29.5304, 0.3211, 0.3669

## Deuteranomaly

29.4472, 0.3241, 0.3515

## Tritanomaly

29.7883, 0.2760, 0.3306

# Monochromacy



## Original Color

29.8692, 0.2906, 0.3743

## Achromatopsia

27.0498, 0.3127, 0.3290

## Achromatomaly

27.8692, 0.3039, 0.3441

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  29.8692, 0.2906, 0.3743 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(111, 159, 133)` looks like.

```
.text, #text, p{  
    color:rgb(111, 159, 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(111, 159, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 159, 133) }
```

## Border

The CSS property to change the border of an element to Yxy 29.8692, 0.2906, 0.3743 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(111, 159, 133) }
```

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

```
.border{ border-color:rgb(111, 159, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(111, 159, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(111, 159, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(111, 159, 133);  
box-shadow:4px 4px 4px 4px rgb(111, 159,  
133) }
```



# Background

The CSS property to change the background color of an element to Yxy 29.8692, 0.2906, 0.3743 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 159, 133) }
```

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

```
.background{ background-color: rgb(111,  
159, 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](#).

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