

# Converting Colors

$Y_{xy}(26.7946, 0.3163, 0.4176)$

Have a look what the booklet for  
Yxy(26.7946, 0.3163, 0.4176)  
contains.

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# Color

**Yxy(26.9007, 0.3163, 0.4169)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	709868
RGB	112, 152, 104
RGB Percent	44%, 60%, 41%
CMY	0.5608, 0.4039, 0.5921
CMYK	0.26, 0.00, 0.32, 0.40
HSL	110°, 19%, 50%
HSV	110°, 32%, 60%
XYZ	20.4094, 26.9007, 17.2154
YIQ	134.5680, -8.4320, -23.4080

# Conversions

## Conversions Part 2

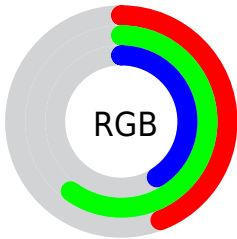
<b>Format</b>	<b>Color</b>
<b>RYB</b>	104, 152, 144
Decimal	7379048
CIELab	58.88, -23.36, 20.96
CIELCh	59, 31.383, 138.097
Yxy	26.9007, 0.3163, 0.4169
Android (android.graphics.Color)	4285569128 (0xFF709868)
YUV	134.5680, -15.0700, -19.7921
Hunter-Lab	51.8659, -20.5248, 16.6265

# Details

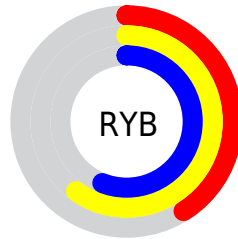
The Yxy color  $26.9007, 0.3163, 0.4169$  is a dark color, and the websafe version is hex  $669966$ . A complement of this color would be  $18.0998, 0.3062, 0.2505$ , and the grayscale version is  $24.1202, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $54.5085, 0.3170, 0.3971$ , and  $10.6170, 0.3146, 0.4542$  is the 20% darker color. If you saturate the color by 10%, you get  $25.8468, 0.3167, 0.4496$ , and if you desaturate by 10%, it is  $28.1295, 0.3155, 0.3861$ .

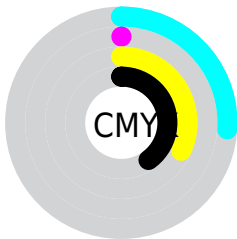
# Distribution



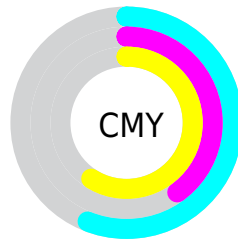
- Red (44%)
- Green (60%)
- Blue (41%)



- Red (41%)
- Yellow (60%)
- Blue (56%)



- Cyan (26%)
- Magenta (0%)
- Yellow (32%)
- Black (40%)



- Cyan (56%)
- Magenta (40%)
- Yellow (59%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 26.9007, 0.3163, 0.4169 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 26.9007, 0.3163, 0.4169 by changing the saturation by 10% instead.




 26.9007, 0.3163,  
0.4169


 26.9007, 0.3163,  
0.4169


287.1760, 0.3155,  
0.3670


 17.4987, 0.3159,  
0.4318


 54.7245, 0.3164,  
0.3971


 10.5907, 0.3149,  
0.4526

 73.9150, 0.3163,  
0.3902

 5.7923, 0.3124,  
0.4835

 97.1372, 0.3162,  
0.3845

 2.7192, 0.3061,  
0.5345

 124.7753, 0.3160,  
0.3798

 0.9870, 0.2697,  
0.7303

157.2139, 0.3159,  
0.3759

 0.0000, 0.0000,  
0.0000

194.8373, 0.3158,

0.3725

238.0298, 0.3156,  
0.3695

■ 26.9007, 0.3163,  
0.4169

■ 26.9007, 0.3163,  
0.4169

■ 25.8468, 0.3167,  
0.4496

■ 28.1295, 0.3155,  
0.3861

■ 24.9566, 0.3164,  
0.4830

■ 29.5371, 0.3143,  
0.3580

■ 24.2226, 0.3155,  
0.5154

■ 31.1316, 0.3129,  
0.3327


■ 23.6358, 0.3137,  
0.5446


■ 32.9196, 0.3115,  
0.3103

■ 23.1857, 0.3111,  
0.5686

■ 34.9071, 0.3100,  
0.2907

 22.8607, 0.3081,  
0.5856

 37.1003, 0.3085,  
0.2735

 22.6680, 0.3057,  
0.5955

 39.5048, 0.3070,  
0.2585

 42.1260, 0.3056,  
0.2455

 44.9693, 0.3043,  
0.2341

# Harmonies

## Analogous

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



26.9007, 0.3670, 0.4234



26.9007, 0.3163, 0.4169



26.9007, 0.2670, 0.3792

# Triad

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



26.9007, 0.3163, 0.4169



26.9007, 0.2259, 0.2525



26.9007, 0.3998, 0.3226

# Complementary

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



26.9007, 0.3163, 0.4169



18.0998, 0.3062, 0.2505

# 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.



26.9007, 0.3557, 0.2850



26.9007, 0.3163, 0.4169



26.9007, 0.2553, 0.2457

# Square

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



26.9007, 0.3163, 0.4169



26.9007, 0.2177, 0.2801



26.9007, 0.3019, 0.2576



26.9007, 0.4180, 0.3641



# Rectangle

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



26.9007, 0.3163, 0.4169



26.9007, 0.2414, 0.3441



26.9007, 0.3019, 0.2576



26.9007, 0.3873, 0.3093

# Sweetspot

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



26.9018, 0.3163, 0.4169



52.7787, 0.3140, 0.3517



27.6230, 0.3625, 0.3938



11.9126, 0.3142, 0.3552



76.7769, 0.3127, 0.3290



12.5967, 0.3127, 0.3290



# Same Dimension

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



26.9018, 0.3163, 0.4169



46.1183, 0.3166, 0.4402



26.7572, 0.2948, 0.3881



6.9726, 0.3140, 0.3518



19.0157, 0.3060, 0.5952



0.2952, 0.3277, 0.5780



# Inverse Universe

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



18.0998, 0.3062, 0.2505



28.0371, 0.3041, 0.2324



18.3559, 0.3367, 0.2766



6.2716, 0.3112, 0.3069



5.6754, 0.2800, 0.1316



0.0970, 0.2996, 0.1424



# Previews

## White Background



This preview shows how the Yxy color 26.9007, 0.3163, 0.4169 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 26.9007, 0.3163, 0.4169 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

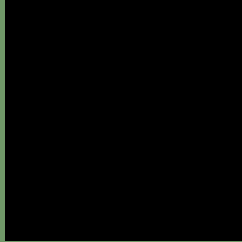
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**Yxy 26.9007, 0.3163, 0.4169**

## Background



This preview shows how black text looks on a background with the Yxy color 26.9007, 0.3163, 0.4169.



This preview shows how white text looks on a background with the Yxy color 26.9007, 0.3163, 0.4169.

# 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

26.9007, 0.3163, 0.4169

### Protanopia

26.6260, 0.3691, 0.3974

### Deuteranopia

26.5176, 0.3790, 0.3709



## Tritanopia

26.7501, 0.2781, 0.3088

# Trichromacy



**Original Color**

26.9007, 0.3163, 0.4169

**Protanomaly**

26.5087, 0.3478, 0.4045

**Deuteranomaly**

26.2223, 0.3536, 0.3859

**Tritanomaly**

26.8663, 0.2920, 0.3464

# Monochromacy



**Original Color**

26.9007, 0.3163, 0.4169

**Achromatopsia**

24.2281, 0.3127, 0.3290

**Achromatomaly**

25.0170, 0.3145, 0.3591

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  26.9007, 0.3163, 0.4169 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(112, 152, 104)` looks like.

```
.text, #text, p{  
    color:rgb(112, 152, 104)  
}
```

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(112, 152, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 152, 104) }
```

## Border

The CSS property to change the border of an element to Yxy 26.9007, 0.3163, 0.4169 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(112, 152, 104) }
```

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

```
.border{ border-color:rgb(112, 152, 104) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 152, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 152, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 152, 104);  
box-shadow:4px 4px 4px 4px rgb(112, 152,  
104) }
```



# Background

The CSS property to change the background color of an element to Yxy 26.9007, 0.3163, 0.4169 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 152, 104) }
```

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

```
.background{ background-color: rgb(112,  
152, 104) }
```

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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