

# Converting Colors

$Y_{xy}(29.0739, 0.3091, 0.4240)$

Have a look what the booklet for  
Yxy(29.0739, 0.3091, 0.4240)  
contains.

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# Color

**Yxy(29.0460, 0.3092, 0.4229)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	6C9F6B
RGB	108, 159, 107
RGB Percent	42%, 62%, 42%
CMY	0.5765, 0.3765, 0.5803
CMYK	0.32, 0.00, 0.33, 0.38
HSL	119°, 21%, 52%
HSV	119°, 33%, 62%
XYZ	21.2368, 29.0460, 18.4001
YIQ	137.8230, -13.7040, -26.9840

# Conversions

## Conversions Part 2

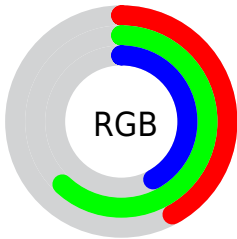
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">107, 159, 158</a>
Decimal	<a href="#">7118699</a>
CIELab	<a href="#">60.82, -27.73, 21.88</a>
CIElCh	<a href="#">61, 35.320, 141.724</a>
Yxy	<a href="#">29.0460, 0.3092, 0.4229</a>
Android (android.graphics.Color)	<a href="#">4285308779 (0xFF6C9F6B)</a>
YUV	<a href="#">137.8230, -15.1957, -26.1548</a>
Hunter-Lab	<a href="#">53.8943, -23.9782, 17.4837</a>

# Details

The Yxy color  $29.0460, 0.3092, 0.4229$  is a dark color, and the websafe version is hex  $669966$ . A complement of this color would be  $20.2921, 0.3152, 0.2497$ , and the grayscale version is  $25.4084, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $58.1734, 0.3107, 0.4017$ , and  $11.7307, 0.3054, 0.4598$  is the 20% darker color. If you saturate the color by 10%, you get  $27.8506, 0.3078, 0.4573$ , and if you desaturate by 10%, it is  $30.4804, 0.3105, 0.3907$ .

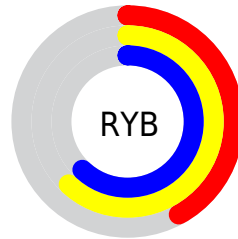
# Distribution



Red (42%)

Green (62%)

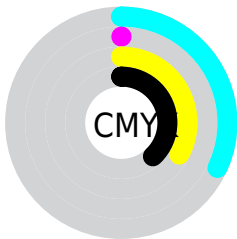
Blue (42%)



Red (42%)

Yellow (62%)

Blue (62%)

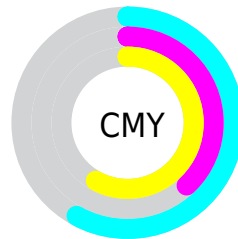


Cyan (32%)

Magenta (0%)

Yellow (33%)

Black (38%)



Cyan (58%)

Magenta (38%)


Yellow (58%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 29.0460, 0.3092, 0.4229 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 29.0460, 0.3092, 0.4229 by changing the saturation by 10% instead.





 29.0460, 0.3092,  
0.4229


 29.0460, 0.3092,  
0.4229


297.4319, 0.3125,  
0.3699


 19.1156, 0.3076,  
0.4385


 58.1502, 0.3109,  
0.4020


 11.7539, 0.3050,  
0.4602


 78.0927, 0.3113,  
0.3946

 6.5763, 0.3003,  
0.4922


 102.1415, 0.3117,  
0.3886

 3.1986, 0.2903,  
0.5432

 130.6808, 0.3119,  
0.3836

 1.2363, 0.2720,  
0.7280

164.0952, 0.3121,  
0.3794

 0.0910, 0.0000,  
1.0000

202.7689, 0.3122,

 0.0000, 0.0000,

0.3758

0.0000

247.0863, 0.3124,  
0.3726

■ 29.0460, 0.3092,  
0.4229

■ 29.0460, 0.3092,  
0.4229

■ 27.8506, 0.3078,  
0.4573

■ 30.4804, 0.3105,  
0.3907

■ 26.8778, 0.3062,  
0.4923

■ 32.1618, 0.3116,  
0.3614

■ 26.1149, 0.3047,  
0.5258


■ 34.1025, 0.3125,  
0.3354

■ 25.5465, 0.3032,  
0.5551


■ 36.3128, 0.3133,  
0.3127

■ 25.1549, 0.3019,  
0.5780

■ 38.8024, 0.3139,  
0.2931


 24.9195, 0.3008,  
0.5926

 41.5807, 0.3144,  
0.2761

 24.8168, 0.3005,  
0.5996

 44.6564, 0.3149,  
0.2615

 48.0380, 0.3152,  
0.2490

 51.7336, 0.3155,  
0.2382

# Harmonies

## Analogous

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



29.0460, 0.3653, 0.4337



29.0460, 0.3092, 0.4229



29.0460, 0.2568, 0.3776

# Triad

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



29.0460, 0.3092, 0.4229



29.0460, 0.2210, 0.2436



29.0460, 0.4125, 0.3269

# Complementary

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



29.0460, 0.3092, 0.4229



20.2921, 0.3152, 0.2497

# 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.



29.0460, 0.3666, 0.2854



29.0460, 0.3092, 0.4229



29.0460, 0.2552, 0.2391

# Square

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



29.0460, 0.3092, 0.4229



29.0460, 0.2093, 0.2703



29.0460, 0.3077, 0.2543



29.0460, 0.4281, 0.3718



# Rectangle

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



29.0460, 0.3092, 0.4229



29.0460, 0.2308, 0.3380



29.0460, 0.3077, 0.2543



29.0460, 0.3999, 0.3123

# Sweetspot

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



29.0472, 0.3092, 0.4229



58.4237, 0.3118, 0.3546



32.6384, 0.3615, 0.4061



13.0723, 0.3117, 0.3582



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.



29.0472, 0.3092, 0.4229



50.4666, 0.3082, 0.4470



29.5700, 0.2886, 0.3780



7.4068, 0.3119, 0.3521



19.6024, 0.3006, 0.5996



0.3521, 0.3033, 0.5974



# Inverse Universe

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



20.2921, 0.3152, 0.2497



32.3856, 0.3157, 0.2331



19.6313, 0.3471, 0.2849



6.7482, 0.3135, 0.3069



7.5602, 0.3163, 0.1516



0.1370, 0.3183, 0.1527



# Previews

## White Background



This preview shows how the Yxy color 29.0460, 0.3092, 0.4229 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 29.0460, 0.3092, 0.4229 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

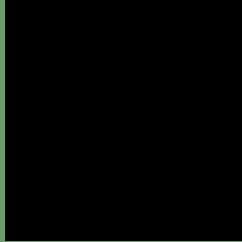
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**Yxy 29.0460, 0.3092, 0.4229**

## **Background**



This preview shows how black text looks on a background with the Yxy color 29.0460, 0.3092, 0.4229.



This preview shows how white text looks on a background with the Yxy color 29.0460, 0.3092, 0.4229.

# 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

29.0460, 0.3092, 0.4229

### Protanopia

28.7665, 0.3715, 0.3998

### Deuteranopia

28.6745, 0.3802, 0.3726



## Tritanopia

28.9884, 0.2709, 0.3092

# Trichromacy



**Original Color**

29.0460, 0.3092, 0.4229

**Protanomaly**

28.6879, 0.3471, 0.4092

**Deuteranomaly**

28.3828, 0.3517, 0.3893

**Tritanomaly**

29.0033, 0.2847, 0.3496

# Monochromacy



**Original Color**

29.0460, 0.3092, 0.4229

**Achromatopsia**

25.4152, 0.3127, 0.3290

**Achromatomaly**

26.6021, 0.3112, 0.3621

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 29.0460, 0.3092, 0.4229 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(108, 159, 107)` looks like.

```
.text, #text, p{  
    color:rgb(108, 159, 107)  
}
```

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(108, 159, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 159, 107) }
```

## Border

The CSS property to change the border of an element to Yxy 29.0460, 0.3092, 0.4229 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(108, 159, 107) }
```

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

```
.border{ border-color:rgb(108, 159, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(108, 159, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 159, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 159, 107);  
box-shadow:4px 4px 4px 4px rgb(108, 159,  
107) }
```



# Background

The CSS property to change the background color of an element to Yxy 29.0460, 0.3092, 0.4229 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 159, 107) }
```

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

```
.background{ background-color: rgb(108,  
159, 107) }
```

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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