

# Converting Colors

$Yxy(29.9157, 0.3086, 0.4173)$

Have a look what the booklet for  
Yxy(29.9157, 0.3086, 0.4173)  
contains.

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# Color

**Yxy(30.0169, 0.3086, 0.4178)**

# Conversions

## Conversions Part 1

Format	Color
Hex	6FA16F
RGB	111, 161, 111
RGB Percent	44%, 63%, 44%
CMY	0.5646, 0.3686, 0.5648
CMYK	0.31, 0.00, 0.31, 0.37
HSL	120°, 21%, 53%
HSV	120°, 31%, 63%
XYZ	22.1714, 30.0169, 19.6568
YIQ	140.3500, -13.7500, -26.1500

# Conversions

## Conversions Part 2

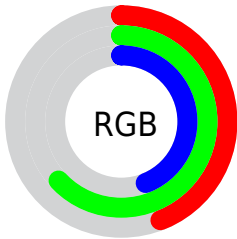
Format	Color
<a href="#">RYB</a>	<a href="#">111, 161, 161</a>
Decimal	<a href="#">7315823</a>
CIELab	<a href="#">61.67, -26.99, 20.88</a>
CIELCh	<a href="#">62, 34.121, 142.278</a>
Yxy	<a href="#">30.0169, 0.3086, 0.4178</a>
Android (android.graphics.Color)	<a href="#">4285505903 (0xFF6FA16F)</a>
YUV	<a href="#">140.3500, -14.4695, -25.7399</a>
Hunter-Lab	<a href="#">54.7877, -23.6433, 17.0792</a>

# Details

The Yxy color **30.0169, 0.3086, 0.4178** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **21.5080, 0.3162, 0.2537**, and the grayscale version is **26.4325, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.6486, 0.3102, 0.3981**, and **12.2883, 0.3046, 0.4515** is the 20% darker color. If you saturate the color by 10%, you get **28.7436, 0.3070, 0.4521**, and if you desaturate by 10%, it is **31.5445, 0.3101, 0.3859**.

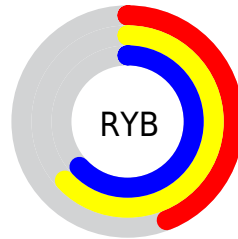
# Distribution



Red (44%)

Green (63%)

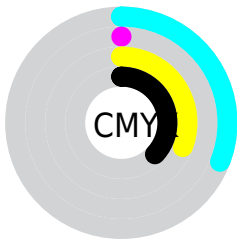
Blue (44%)



Red (44%)

Yellow (63%)

Blue (63%)

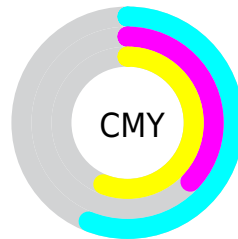


Cyan (31%)

Magenta (0%)

Yellow (31%)

Black (37%)



Cyan (56%)

Magenta (37%)


Yellow (56%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 30.0169, 0.3086, 0.4178 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 30.0169, 0.3086, 0.4178 by changing the saturation by 10% instead.





 30.0169, 0.3086,  
0.4178


 30.0169, 0.3086,  
0.4178


301.9832, 0.3120,  
0.3680


 19.8514, 0.3071,  
0.4323


 59.6889, 0.3103,  
0.3982


 12.2871, 0.3046,  
0.4525


 79.9642, 0.3108,  
0.3913

 6.9395, 0.3002,  
0.4819


 104.3783, 0.3111,  
0.3857

 3.4243, 0.2913,  
0.5288

 133.3154, 0.3114,  
0.3810

 1.3571, 0.2954,  
0.7046

167.1601, 0.3116,  
0.3770

 0.1847, 0.0000,  
1.0000

206.2967, 0.3118,

 0.0000, 0.0000,

0.3736

0.0000

251.1096, 0.3119,  
0.3706

■ 30.0169, 0.3086,  
0.4178

■ 30.0169, 0.3086,  
0.4178

■ 28.7436, 0.3070,  
0.4521

■ 31.5445, 0.3101,  
0.3859

■ 27.7073, 0.3054,  
0.4873

■ 33.3351, 0.3114,  
0.3570

■ 26.8944, 0.3038,  
0.5214


■ 35.4016, 0.3126,  
0.3315


■ 26.2886, 0.3023,  
0.5516


■ 37.7550, 0.3136,  
0.3093

■ 25.8711, 0.3012,  
0.5755


■ 40.4057, 0.3145,  
0.2901

 25.6199, 0.3004,  
0.5914

 43.3636, 0.3153,  
0.2737

 25.4906, 0.3000,  
0.6000

 46.6380, 0.3159,  
0.2595

 50.2380, 0.3165,  
0.2474

 53.9694, 0.3170,  
0.2375

# Harmonies

## Analogous

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



30.0169, 0.3624, 0.4291



30.0169, 0.3086, 0.4178



30.0169, 0.2585, 0.3743

# Triad

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



30.0169, 0.3086, 0.4178



30.0169, 0.2251, 0.2468



30.0169, 0.4086, 0.3280

# Complementary

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



30.0169, 0.3086, 0.4178



21.5080, 0.3162, 0.2537

# 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.



30.0169, 0.3652, 0.2879



30.0169, 0.3086, 0.4178



30.0169, 0.2585, 0.2427

# Square

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



30.0169, 0.3086, 0.4178



30.0169, 0.2134, 0.2723



30.0169, 0.3090, 0.2577



30.0169, 0.4230, 0.3712



# Rectangle

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



30.0169, 0.3086, 0.4178



30.0169, 0.2337, 0.3368



30.0169, 0.3090, 0.2577



30.0169, 0.3968, 0.3140

# Sweetspot

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



30.0182, 0.3086, 0.4178



60.3661, 0.3117, 0.3519



33.9231, 0.3588, 0.4035



13.1333, 0.3115, 0.3556



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.



30.0182, 0.3086, 0.4178



52.1996, 0.3076, 0.4403



30.6210, 0.2890, 0.3737



7.8954, 0.3116, 0.3522



20.3590, 0.3000, 0.6000



0.4279, 0.3002, 0.5999



# Inverse Universe

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



21.5080, 0.3162, 0.2537



34.5959, 0.3169, 0.2382



20.7416, 0.3460, 0.2884



7.2018, 0.3137, 0.3068



8.0920, 0.3206, 0.1540



0.1702, 0.3208, 0.1541



# Previews

## White Background



This preview shows how the Yxy color 30.0169, 0.3086, 0.4178 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 30.0169, 0.3086, 0.4178 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

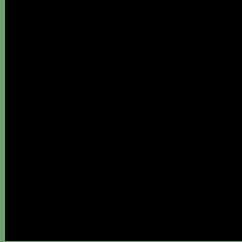
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 30.0169, 0.3086, 0.4178**

## **Background**



This preview shows how black text looks on a background with the Yxy color 30.0169, 0.3086, 0.4178.



This preview shows how white text looks on a background with the Yxy color 30.0169, 0.3086, 0.4178.

# 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

30.0169, 0.3086, 0.4178

### Protanopia

29.6733, 0.3688, 0.3959

### Deuteranopia

29.5825, 0.3771, 0.3691



## Tritanopia

29.9293, 0.2722, 0.3094

# Trichromacy



**Original Color**

30.0169, 0.3086, 0.4178

**Protanomaly**

29.5948, 0.3448, 0.4049

**Deuteranomaly**

29.2891, 0.3493, 0.3853

**Tritanomaly**

29.9712, 0.2850, 0.3475

# Monochromacy



**Original Color**

30.0169, 0.3086, 0.4178

**Achromatopsia**

26.2251, 0.3127, 0.3290

**Achromatomaly**

27.4319, 0.3112, 0.3616

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  30.0169, 0.3086, 0.4178 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, 161, 111)` looks like.

```
.text, #text, p{  
    color:rgb(111, 161, 111)  
}
```

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, 161, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 161, 111) }
```

## Border

The CSS property to change the border of an element to Yxy 30.0169, 0.3086, 0.4178 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, 161, 111) }
```

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

```
.border{ border-color:rgb(111, 161, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(111, 161, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(111, 161, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(111, 161, 111);  
box-shadow:4px 4px 4px 4px rgb(111, 161,  
111) }
```



# Background

The CSS property to change the background color of an element to Yxy 30.0169, 0.3086, 0.4178 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 161, 111) }
```

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

```
.background{ background-color: rgb(111,  
161, 111) }
```

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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