

# Converting Colors

$Y_{xy}(27.9884, 0.3087, 0.4134)$

Have a look what the booklet for  
Yxy(27.9884, 0.3087, 0.4134)  
contains.

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# Color

**Yxy(28.1323, 0.3087, 0.4144)**

# Conversions

## Conversions Part 1

Format	Color
Hex	6D9C6D
RGB	109, 156, 109
RGB Percent	43%, 61%, 43%
CMY	0.5725, 0.3882, 0.5725
CMYK	0.30, 0.00, 0.30, 0.39
HSL	120°, 19%, 52%
HSV	120°, 30%, 61%
XYZ	20.9567, 28.1323, 18.7979
YIQ	136.5890, -12.9250, -24.5810

# Conversions

## Conversions Part 2

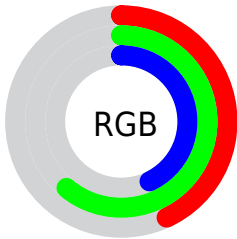
<b>Format</b>	<b>Color</b>
<b>RYB</b>	109, 156, 156
Decimal	7183469
CIELab	60.01, -25.56, 19.68
CIElCh	60, 32.259, 142.397
Yxy	28.1323, 0.3087, 0.4144
Android (android.graphics.Color)	4285373549 (0xFF6D9C6D)
YUV	136.5890, -13.6014, -24.1956
Hunter-Lab	53.0399, -22.2924, 16.1150

# Details

The Yxy color  $28.1323, 0.3087, 0.4144$  is a dark color, and the websafe version is hex  $669966$ . A complement of this color would be  $20.4067, 0.3161, 0.2562$ , and the grayscale version is  $24.9105, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $56.8431, 0.3103, 0.3953$ , and  $11.1674, 0.3047, 0.4479$  is the 20% darker color. If you saturate the color by 10%, you get  $26.9236, 0.3071, 0.4484$ , and if you desaturate by 10%, it is  $29.5786, 0.3102, 0.3828$ .

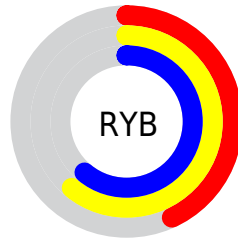
# Distribution



Red (43%)

Green (61%)

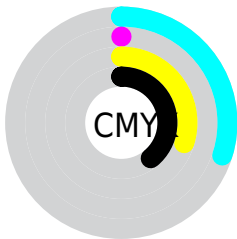
Blue (43%)



Red (43%)

Yellow (61%)

Blue (61%)

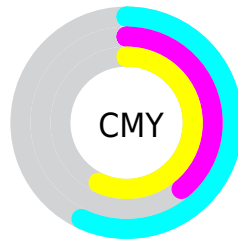


Cyan (30%)

Magenta (0%)

Yellow (30%)

Black (39%)



Cyan (57%)

Magenta (39%)


Yellow (57%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 28.1323, 0.3087, 0.4144 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 28.1323, 0.3087, 0.4144 by changing the saturation by 10% instead.





 28.1323, 0.3087,  
0.4144


 28.1323, 0.3087,  
0.4144


293.0986, 0.3120,  
0.3661


 18.4254, 0.3072,  
0.4287


 56.6956, 0.3103,  
0.3953


 11.2558, 0.3048,  
0.4486


 76.3208, 0.3108,  
0.3886

 6.2392, 0.3005,  
0.4782


 100.0209, 0.3111,  
0.3831

 2.9911, 0.2915,  
0.5261

 128.1803, 0.3114,  
0.3786

 1.1271, 0.2758,  
0.7242

161.1833, 0.3116,  
0.3747

 0.0009, 0.0000,  
1.0000


199.4145, 0.3118,


 0.0000, 0.0000,


0.3714


0.0000

243.2581, 0.3119,  
0.3686


 28.1323, 0.3087,  
0.4144


 28.1323, 0.3087,  
0.4144


 26.9236, 0.3071,  
0.4484


 29.5786, 0.3102,  
0.3828


 25.9364, 0.3055,  
0.4836


 31.2705, 0.3115,  
0.3544


 25.1585, 0.3038,  
0.5178


 33.2198, 0.3127,  
0.3293


 24.5747, 0.3024,  
0.5485

 35.4368, 0.3137,  
0.3074


 24.1679, 0.3012,  
0.5732


 37.9310, 0.3146,  
0.2886


 23.9181, 0.3005,  
0.5899

 40.7114, 0.3154,  
0.2724

 23.7774, 0.3000,  
0.6000

 43.7869, 0.3160,  
0.2584

 47.1657, 0.3166,  
0.2465

 50.8559, 0.3171,  
0.2362

# Harmonies

## Analogous

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



28.1323, 0.3607, 0.4257



28.1323, 0.3087, 0.4144



28.1323, 0.2602, 0.3725

# Triad

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



28.1323, 0.3087, 0.4144



28.1323, 0.2279, 0.2494



28.1323, 0.4054, 0.3284

# Complementary

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



28.1323, 0.3087, 0.4144



20.4067, 0.3161, 0.2562

# 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.



28.1323, 0.3637, 0.2894



28.1323, 0.3087, 0.4144



28.1323, 0.2604, 0.2453

# Square

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



28.1323, 0.3087, 0.4144



28.1323, 0.2164, 0.2742



28.1323, 0.3095, 0.2599



28.1323, 0.4193, 0.3703



# Rectangle

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



28.1323, 0.3087, 0.4144



28.1323, 0.2361, 0.3364



28.1323, 0.3095, 0.2599



28.1323, 0.3940, 0.3148

# Sweetspot

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



28.1335, 0.3087, 0.4144



57.1098, 0.3116, 0.3519



31.9497, 0.3569, 0.4021



12.4673, 0.3115, 0.3555



78.7412, 0.3127, 0.3290



13.2868, 0.3127, 0.3290



# Same Dimension

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



28.1335, 0.3087, 0.4144



49.6032, 0.3077, 0.4366



28.7088, 0.2891, 0.3705



7.4011, 0.3116, 0.3521



19.5850, 0.3000, 0.6000



0.3502, 0.3000, 0.5999



# Inverse Universe

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



20.4067, 0.3161, 0.2562



33.3109, 0.3169, 0.2407



19.6865, 0.3456, 0.2910



6.7546, 0.3138, 0.3070



7.7980, 0.3210, 0.1542



0.1394, 0.3210, 0.1542



# Previews

## White Background



This preview shows how the Yxy color 28.1323, 0.3087, 0.4144 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 28.1323, 0.3087, 0.4144 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

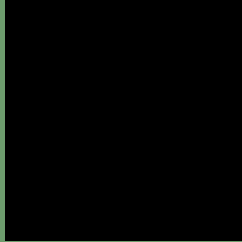
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**Yxy 28.1323, 0.3087, 0.4144**

## Background



This preview shows how black text looks on a background with the Yxy color 28.1323, 0.3087, 0.4144.



This preview shows how white text looks on a background with the Yxy color 28.1323, 0.3087, 0.4144.

# 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

28.1323, 0.3087, 0.4144

### Protanopia

27.9146, 0.3660, 0.3931

### Deuteranopia

27.6940, 0.3743, 0.3673



## Tritanopia

27.9900, 0.2736, 0.3090

# Trichromacy



**Original Color**

28.1323, 0.3087, 0.4144

**Protanomaly**

27.6237, 0.3430, 0.4002

**Deuteranomaly**

27.6237, 0.3482, 0.3834

**Tritanomaly**

28.0543, 0.2861, 0.3463

# Monochromacy



**Original Color**

28.1323, 0.3087, 0.4144

**Achromatopsia**

25.0158, 0.3127, 0.3290

**Achromatomaly**

25.9908, 0.3113, 0.3587

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 28.1323, 0.3087, 0.4144 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(109, 156, 109)` looks like.

```
.text, #text, p{  
    color:rgb(109, 156, 109)  
}
```

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(109, 156, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 156, 109) }
```

## Border

The CSS property to change the border of an element to Yxy 28.1323, 0.3087, 0.4144 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(109, 156, 109) }
```

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

```
.border{ border-color:rgb(109, 156, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 156, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 156, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 156, 109);  
box-shadow:4px 4px 4px 4px rgb(109, 156,  
109) }
```



# Background

The CSS property to change the background color of an element to Yxy 28.1323, 0.3087, 0.4144 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 156, 109) }
```

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

```
.background{ background-color: rgb(109,  
156, 109) }
```

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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