

# Converting Colors

$Yxy(29.5364, 0.2940, 0.4198)$

Have a look what the booklet for  
Yxy(29.5364, 0.2940, 0.4198)  
contains.

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**Color**

**Yxy(29.5197, 0.2941, 0.4189)**

# Conversions

## Conversions Part 1

Format	Color
Hex	60A271
RGB	96, 162, 113
RGB Percent	38%, 64%, 44%
CMY	0.6235, 0.3647, 0.5569
CMYK	0.41, 0.00, 0.30, 0.36
HSL	135°, 26%, 51%
HSV	135°, 41%, 64%
XYZ	20.7251, 29.5197, 20.2248
YIQ	136.6800, -23.6070, -29.2310

# Conversions

## Conversions Part 2

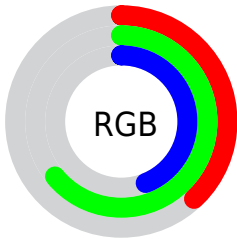
<b>Format</b>	<b>Color</b>
<b>RYB</b>	96, 148, 162
Decimal	6333041
CIELab	61.24, -31.97, 19.05
CIELCh	61, 37.221, 149.208
Yxy	29.5197, 0.2941, 0.4189
Android (android.graphics.Color)	4284523121 (0xFF60A271)
YUV	136.6800, -11.6742, -35.6764
Hunter-Lab	54.3320, -26.9918, 15.9621

# Details

The Yxy color  $29.5197, 0.2941, 0.4189$  is a dark color, and the websafe version is hex  $669966$ . A complement of this color would be  $18.0946, 0.3393, 0.2538$ , and the grayscale version is  $24.9418, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $58.7319, 0.2986, 0.3986$ , and  $12.0690, 0.2849, 0.4542$  is the 20% darker color. If you saturate the color by 10%, you get  $28.4775, 0.2906, 0.4460$ , and if you desaturate by 10%, it is  $30.7814, 0.2982, 0.3934$ .

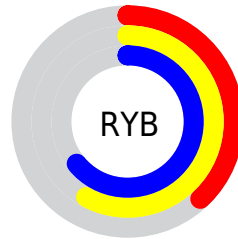
# Distribution



Red (38%)

Green (64%)

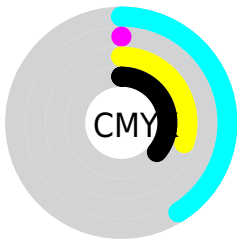
Blue (44%)



Red (38%)

Yellow (58%)

Blue (64%)

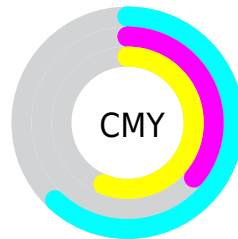


Cyan (41%)

Magenta (0%)

Yellow (30%)

Black (36%)



Cyan (62%)

Magenta (36%)


Yellow (56%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 29.5197, 0.2941, 0.4189 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 29.5197, 0.2941, 0.4189 by changing the saturation by 10% instead.





 29.5197, 0.2941,  
0.4189


 29.5197, 0.2941,  
0.4189


299.6592, 0.3054,  
0.3681

 19.4743, 0.2904,  
0.4339


 58.9018, 0.2988,  
0.3988

 12.0135, 0.2850,  
0.4548


 79.0073, 0.3003,  
0.3918

 6.7529, 0.2765,  
0.4857


 103.2349, 0.3016,  
0.3861

 3.3080, 0.2615,  
0.5357

 131.9691, 0.3026,  
0.3813

 1.2946, 0.2338,  
0.7531

165.5942, 0.3035,  
0.3772

 0.1370, 0.0000,  
1.0000

204.4947, 0.3042,

 0.0000, 0.0000,

0.3738

0.0000

249.0549, 0.3048,  
0.3708

■ 29.5197, 0.2941,  
0.4189

■ 29.5197, 0.2941,  
0.4189

■ 28.4775, 0.2906,  
0.4460

■ 30.7814, 0.2982,  
0.3934

■ 27.6385, 0.2882,  
0.4738

■ 32.2704, 0.3028,  
0.3701

■ 26.9899, 0.2870,  
0.5014

■ 33.9987, 0.3076,  
0.3490


■ 26.5161, 0.2872,  
0.5272

■ 35.9765, 0.3124,  
0.3303


■ 26.1986, 0.2888,  
0.5500

■ 38.2131, 0.3171,  
0.3138

 26.0064, 0.2910,  
0.5676

 40.7175, 0.3216,  
0.2994

 43.4982, 0.3259,  
0.2868

 46.5635, 0.3300,  
0.2758

 49.9212, 0.3338,  
0.2664

# Harmonies

## Analogous

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



29.5197, 0.3533, 0.4398



29.5197, 0.2941, 0.4189



29.5197, 0.2429, 0.3647

# Triad

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



29.5197, 0.2941, 0.4189



29.5197, 0.2238, 0.2366



29.5197, 0.4249, 0.3381

# Complementary

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



29.5197, 0.2941, 0.4189



18.0946, 0.3393, 0.2538

# 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.



29.5197, 0.3833, 0.2935



29.5197, 0.2941, 0.4189



29.5197, 0.2647, 0.2375

# Square

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



29.5197, 0.2941, 0.4189



29.5197, 0.2056, 0.2582



29.5197, 0.3227, 0.2579



29.5197, 0.4318, 0.3845



# Rectangle

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



29.5197, 0.2941, 0.4189



29.5197, 0.2195, 0.3228



29.5197, 0.3227, 0.2579



29.5197, 0.4144, 0.3226

# Sweetspot

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



29.5209, 0.2941, 0.4189



61.2236, 0.3069, 0.3520



32.7519, 0.3548, 0.4336



13.6609, 0.3063, 0.3545



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290



# Same Dimension

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



29.5209, 0.2941, 0.4189



51.8353, 0.2909, 0.4437



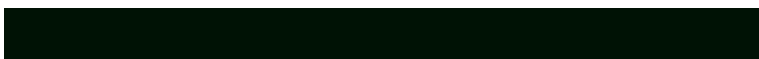
30.3888, 0.2696, 0.3578



7.9236, 0.3083, 0.3461



20.4940, 0.2906, 0.5662



0.4378, 0.2714, 0.4972



# Inverse Universe

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



18.0946, 0.3393, 0.2538



28.1593, 0.3474, 0.2377



17.2307, 0.3872, 0.3028



7.1709, 0.3175, 0.3125



7.1333, 0.3972, 0.1961



0.1569, 0.3644, 0.1781



# Previews

## White Background



This preview shows how the Yxy color 29.5197, 0.2941, 0.4189 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 29.5197, 0.2941, 0.4189 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

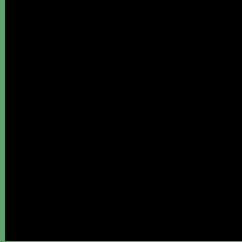
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**Yxy 29.5197, 0.2941, 0.4189**

## **Background**



This preview shows how black text looks on a background with the Yxy color 29.5197, 0.2941, 0.4189.



This preview shows how white text looks on a background with the Yxy color 29.5197, 0.2941, 0.4189.

# 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

29.5197, 0.2941, 0.4189

### Protanopia

29.1771, 0.3660, 0.3935

### Deuteranopia

29.0157, 0.3709, 0.3637



## Tritanopia

29.4580, 0.2606, 0.3073

# Trichromacy



## Original Color

29.5197, 0.2941, 0.4189

## Protanomaly

28.7115, 0.3357, 0.4019

## Deuteranomaly

28.6851, 0.3396, 0.3835

## Tritanomaly

29.5349, 0.2729, 0.3462

# Monochromacy



## Original Color

29.5197, 0.2941, 0.4189

## Achromatopsia

25.0158, 0.3127, 0.3290

## Achromatomaly

26.2539, 0.3051, 0.3608

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 29.5197, 0.2941, 0.4189 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(96, 162, 113)` looks like.

```
.text, #text, p{  
    color:rgb(96, 162, 113)  
}
```

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(96, 162, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 162, 113) }
```

## Border

The CSS property to change the border of an element to Yxy 29.5197, 0.2941, 0.4189 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(96, 162, 113) }
```

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

```
.border{ border-color:rgb(96, 162, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(96, 162, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 162, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 162, 113);  
box-shadow:4px 4px 4px 4px rgb(96, 162,  
113) }
```



# Background

The CSS property to change the background color of an element to Yxy 29.5197, 0.2941, 0.4189 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 162, 113) }
```

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

```
.background{ background-color: rgb(96, 162,  
113) }
```

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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