

# Converting Colors

$Y_{xy}(26.0020, 0.2993, 0.4283)$

Have a look what the booklet for  
Yxy(26.0020, 0.2993, 0.4283)  
contains.

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# Color

**Yxy(26.0171, 0.2991, 0.4275)**

# Conversions

## Conversions Part 1

Format	Color
Hex	5C9966
RGB	92, 153, 102
RGB Percent	36%, 60%, 40%
CMY	0.6393, 0.4000, 0.5999
CMYK	0.40, 0.00, 0.33, 0.40
HSL	130°, 25%, 48%
HSV	130°, 40%, 60%
XYZ	18.2028, 26.0171, 16.6388
YIQ	128.9470, -19.9850, -28.7930

# Conversions

## Conversions Part 2

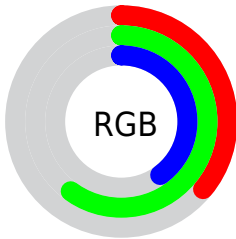
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	92, 144, 153
Decimal	6068582
CIE <sub>Lab</sub>	58.05, -30.99, 20.75
CIE <sub>LCh</sub>	58, 37.295, 146.191
Yxy	26.0171, 0.2991, 0.4275
Android (android.graphics.Color)	4284258662 (0xFF5C9966)
YUV	128.9470, -13.2849, -32.4025
Hunter-Lab	51.0070, -25.5609, 16.3641

# Details

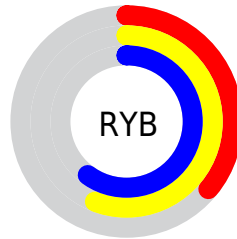
The Yxy color  $26.0171, 0.2991, 0.4275$  is a dark color, and the websafe version is hex  $669966$ . A complement of this color would be  $16.4064, 0.3306, 0.2474$ , and the grayscale version is  $21.9860, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $53.4314, 0.3035, 0.4055$ , and  $10.0451, 0.2916, 0.4698$  is the 20% darker color. If you saturate the color by 10%, you get  $25.0739, 0.2963, 0.4575$ , and if you desaturate by 10%, it is  $27.1607, 0.3023, 0.3991$ .

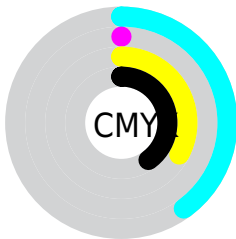
# Distribution



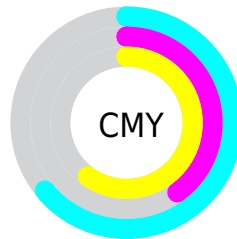
- Red (36%)
- Green (60%)
- Blue (40%)



- Red (36%)
- Yellow (56%)
- Blue (60%)



- Cyan (40%)
- Magenta (0%)
- Yellow (33%)
- Black (40%)




- Cyan (64%)
- Magenta (40%)
- Yellow (60%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 26.0171, 0.2991, 0.4275 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 26.0171, 0.2991, 0.4275 by changing the saturation by 10% instead.





 26.0171, 0.2991,  
0.4275


 26.0171, 0.2991,  
0.4275


282.8660, 0.3081,  
0.3707


 16.8364, 0.2958,  
0.4448


 53.3025, 0.3030,  
0.4047


 10.1179, 0.2907,  
0.4693


 72.1761, 0.3043,  
0.3969

 5.4772, 0.2820,  
0.5063

 95.0494, 0.3053,  
0.3905

 2.5299, 0.2661,  
0.5703

 122.3068, 0.3061,  
0.3852

 0.8916, 0.0925,  
0.9075

154.3328, 0.3067,  
0.3807

 0.0000, 0.0000,  
0.0000

191.5118, 0.3072,

0.3769

234.2280, 0.3077,  
0.3736

■ 26.0171, 0.2991,  
0.4275

■ 26.0171, 0.2991,  
0.4275

■ 25.0739, 0.2963,  
0.4575

■ 27.1607, 0.3023,  
0.3991

■ 24.3164, 0.2943,  
0.4881

■ 28.5121, 0.3058,  
0.3730

■ 23.7331, 0.2931,  
0.5177

■ 30.0819, 0.3093,  
0.3496


■ 23.3099, 0.2930,  
0.5445


■ 31.8794, 0.3128,  
0.3288


■ 23.0302, 0.2940,  
0.5667


■ 33.9132, 0.3161,  
0.3105

 22.8567, 0.2955,  
0.5835

 36.1914, 0.3193,  
0.2947

 22.8548, 0.2955,  
0.5837

 38.7218, 0.3223,  
0.2809

 41.5119, 0.3250,  
0.2689

 44.5688, 0.3276,  
0.2586

# Harmonies

## Analogous

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



26.0171, 0.3607, 0.4448



26.0171, 0.2991, 0.4275



26.0171, 0.2443, 0.3729

# Triad

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



26.0171, 0.2991, 0.4275



26.0171, 0.2173, 0.2340



26.0171, 0.4271, 0.3332

# Complementary

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



26.0171, 0.2991, 0.4275



16.4064, 0.3306, 0.2474

# 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.



26.0171, 0.3806, 0.2876



26.0171, 0.2991, 0.4275



26.0171, 0.2574, 0.2329

# Square

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



26.0171, 0.2991, 0.4275



26.0171, 0.2009, 0.2586



26.0171, 0.3165, 0.2522



26.0171, 0.4381, 0.3815



# Rectangle

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



26.0171, 0.2991, 0.4275



26.0171, 0.2186, 0.3287



26.0171, 0.3165, 0.2522



26.0171, 0.4149, 0.3173

# Sweetspot

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



26.0182, 0.2991, 0.4275



53.1715, 0.3084, 0.3548



29.4722, 0.3606, 0.4285



11.6668, 0.3080, 0.3575



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.



26.0182, 0.2991, 0.4275



45.0450, 0.2966, 0.4547



26.7147, 0.2752, 0.3686



6.9414, 0.3095, 0.3481



18.8915, 0.2952, 0.5827



0.2861, 0.2789, 0.5242



# Inverse Universe

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



16.4064, 0.3306, 0.2474



25.3412, 0.3357, 0.2300



15.6243, 0.3747, 0.2933



6.3062, 0.3161, 0.3106



6.8856, 0.3663, 0.1792



0.1070, 0.3433, 0.1665



# Previews

## White Background



This preview shows how the Yxy color 26.0171, 0.2991, 0.4275 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 26.0171, 0.2991, 0.4275 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

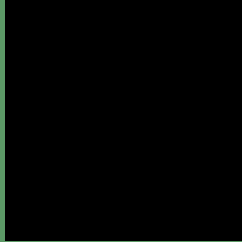
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**Yxy 26.0171, 0.2991, 0.4275**

## **Background**



This preview shows how black text looks on a background with the Yxy color 26.0171, 0.2991, 0.4275.



This preview shows how white text looks on a background with the Yxy color 26.0171, 0.2991, 0.4275.

# 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

26.0171, 0.2991, 0.4275

### Protanopia

25.7938, 0.3709, 0.3999

### Deuteranopia

25.6022, 0.3787, 0.3716



## Tritanopia

25.9694, 0.2628, 0.3080

# Trichromacy



## Original Color

26.0171, 0.2991, 0.4275

## Protanomaly

25.4955, 0.3420, 0.4107

## Deuteranomaly

25.0945, 0.3455, 0.3898

## Tritanomaly

26.0392, 0.2760, 0.3490

# Monochromacy



## Original Color

26.0171, 0.2991, 0.4275

## Achromatopsia

21.9526, 0.3127, 0.3290

## Achromatomaly

23.2219, 0.3078, 0.3643

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  26.0171, 0.2991, 0.4275 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(92, 153, 102)` looks like.

```
.text, #text, p{  
    color:rgb(92, 153, 102)  
}
```

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(92, 153, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(92, 153, 102) }
```

## Border

The CSS property to change the border of an element to Yxy 26.0171, 0.2991, 0.4275 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(92, 153, 102) }
```

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

```
.border{ border-color:rgb(92, 153, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(92, 153, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(92, 153, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(92, 153, 102);  
box-shadow:4px 4px 4px 4px rgb(92, 153,  
102) }
```



# Background

The CSS property to change the background color of an element to  $Yxy$  26.0171, 0.2991, 0.4275 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(92, 153, 102) }
```

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

```
.background{ background-color: rgb(92, 153,  
102) }
```

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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