

# Converting Colors

$Yxy(31.0024, 0.2714, 0.4624)$

Have a look what the booklet for  
Yxy(31.0024, 0.2714, 0.4624)  
contains.

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# Color

**Yxy(30.9979, 0.2714, 0.4623)**

# Conversions

## Conversions Part 1

Format	Color
Hex	2BAC67
RGB	43, 172, 103
RGB Percent	17%, 67%, 40%
CMY	0.8313, 0.3255, 0.5961
CMYK	0.75, 0.00, 0.40, 0.33
HSL	148°, 60%, 42%
HSV	148°, 75%, 67%
XYZ	18.1978, 30.9979, 17.8558
YIQ	125.5630, -54.7350, -48.8070

# Conversions

## Conversions Part 2

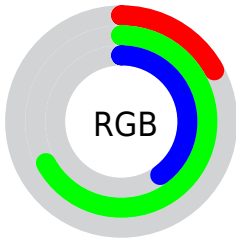
<b>Format</b>	<b>Color</b>
<b>RYB</b>	43, 131, 172
Decimal	2862183
CIELab	62.51, -50.21, 25.88
CIELCh	63, 56.487, 152.728
Yxy	30.9979, 0.2714, 0.4623
Android (android.graphics.Color)	4281052263 (0xFF2BAC67)
YUV	125.5630, -11.1236, -72.4078
Hunter-Lab	55.6758, -39.0894, 19.9581

# Details

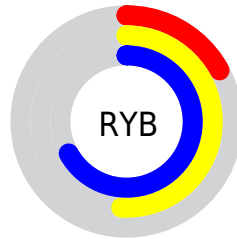
The Yxy color **30.9979, 0.2714, 0.4623** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **11.6713, 0.4248, 0.2383**, and the grayscale version is **20.7637, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.0415, 0.2814, 0.4312**, and **13.2327, 0.2737, 0.5052** is the 20% darker color. If you saturate the color by 10%, you get **30.5275, 0.2717, 0.4827**, and if you desaturate by 10%, it is **31.6478, 0.2730, 0.4415**.

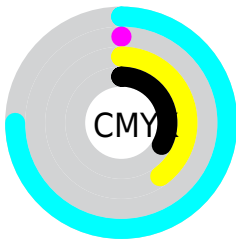
# Distribution



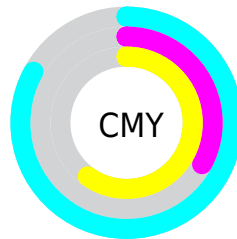
- Red (17%)
- Green (67%)
- Blue (40%)



- Red (17%)
- Yellow (51%)
- Blue (67%)



- Cyan (75%)
- Magenta (0%)
- Yellow (40%)
- Black (33%)




- Cyan (83%)
- Magenta (33%)
- Yellow (60%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 30.9979, 0.2714, 0.4623 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 30.9979, 0.2714, 0.4623 by changing the saturation by 10% instead.





 30.9979, 0.2714,  
0.4623


 30.9979, 0.2714,  
0.4623


306.5286, 0.2961,  
0.3862

 20.5972, 0.2636,  
0.4850

 61.2368, 0.2815,  
0.4320


 12.8299, 0.2523,  
0.5166


 81.8438, 0.2849,  
0.4215


 7.3115, 0.2349,  
0.5632


 106.6217, 0.2877,  
0.4129

 3.6577, 0.2055,  
0.6372

 135.9549, 0.2900,  
0.4057

 1.4840, 0.0573,  
0.9427

 170.2278, 0.2919,  
0.3997

 0.2774, 0.0000,  
1.0000

209.8248, 0.2935,

 0.0000, 0.0000,

0.3945

0.0000

255.1303, 0.2949,  
0.3900

■ 30.9979, 0.2714,  
0.4623

■ 30.9979, 0.2714,  
0.4623

■ 30.5275, 0.2717,  
0.4827

■ 31.6478, 0.2730,  
0.4415

■ 30.2108, 0.2740,  
0.5021

■ 32.4918, 0.2763,  
0.4210

■ 30.0845, 0.2754,  
0.5114

■ 33.5468, 0.2811,  
0.4012

■ 34.8271, 0.2870,  
0.3825

■ 36.3455, 0.2938,  
0.3653

■ 38.1138, 0.3012,  
0.3496

■ 40.1432, 0.3089,  
0.3355

■ 42.4440, 0.3166,  
0.3229

■ 45.0260, 0.3243,  
0.3117

# Harmonies

## Analogous

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



30.9979, 0.3555, 0.4967



30.9979, 0.2714, 0.4623



30.9979, 0.2033, 0.3697

# Triad

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



30.9979, 0.2714, 0.4623



30.9979, 0.1920, 0.1972



30.9979, 0.4836, 0.3430

# Complementary

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



30.9979, 0.2714, 0.4623



11.6713, 0.4248, 0.2383

# 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.



30.9979, 0.4271, 0.2829



30.9979, 0.2714, 0.4623



30.9979, 0.2505, 0.2034

# Square

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



30.9979, 0.2714, 0.4623



30.9979, 0.1644, 0.2196



30.9979, 0.3363, 0.2336



30.9979, 0.4826, 0.4070



# Rectangle

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



30.9979, 0.2714, 0.4623



30.9979, 0.1754, 0.3048



30.9979, 0.3363, 0.2336



30.9979, 0.4707, 0.3223

# Sweetspot

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



30.9992, 0.2714, 0.4623



66.7209, 0.2957, 0.3611



33.2553, 0.3516, 0.5285



14.3283, 0.2938, 0.3653



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290



# Same Dimension

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



30.9992, 0.2714, 0.4623



54.9713, 0.2730, 0.4957



32.7566, 0.2345, 0.3400



8.9990, 0.3055, 0.3414



22.3983, 0.2749, 0.5096



0.6342, 0.2584, 0.4504



# Inverse Universe

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



11.6713, 0.4248, 0.2383



18.1270, 0.4617, 0.2376



10.7266, 0.5551, 0.3228



8.0843, 0.3206, 0.3169



7.1133, 0.4780, 0.2407



0.2088, 0.4186, 0.2080



# Previews

## White Background



This preview shows how the Yxy color 30.9979, 0.2714, 0.4623 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 30.9979, 0.2714, 0.4623 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 30.9979, 0.2714, 0.4623**

## Background



This preview shows how black text looks on a background with the Yxy color 30.9979, 0.2714, 0.4623.



This preview shows how white text looks on a background with the Yxy color 30.9979, 0.2714, 0.4623.

# 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

30.9979, 0.2714, 0.4623

### Protanopia

30.4074, 0.3818, 0.4142

### Deuteranopia

30.5373, 0.3860, 0.3785



## Tritanopia

30.8246, 0.2363, 0.3053

# Trichromacy



## Original Color

30.9979, 0.2714, 0.4623



## Protanomaly

29.2387, 0.3281, 0.4362



## Deuteranomaly

28.8399, 0.3307, 0.4099



## Tritanomaly

30.5312, 0.2483, 0.3577

# Monochromacy



## Original Color

30.9979, 0.2714, 0.4623



## Achromatopsia

20.8637, 0.3127, 0.3290



## Achromatomaly

23.4397, 0.2886, 0.3776

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 30.9979, 0.2714, 0.4623 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(43, 172, 103)` looks like.

```
.text, #text, p{  
    color:rgb(43, 172, 103)  
}
```

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(43, 172, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(43, 172, 103) }
```

## Border

The CSS property to change the border of an element to Yxy 30.9979, 0.2714, 0.4623 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(43, 172, 103) }
```

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

```
.border{ border-color:rgb(43, 172, 103) }
```

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

Here you see how a box with a 4 pixel rgb(43, 172, 103) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(43, 172, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(43, 172, 103);  
box-shadow:4px 4px 4px 4px rgb(43, 172,  
103) }
```



# Background

The CSS property to change the background color of an element to Yxy 30.9979, 0.2714, 0.4623 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(43, 172, 103) }
```

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

```
.background{ background-color: rgb(43, 172,  
103) }
```

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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