

Converting Colors

$Y_{xy}(28.5281, 0.2700, 0.4704)$

Have a look what the booklet for
Yxy(28.5281, 0.2700, 0.4704)
contains.

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Color

Yxy(28.4083, 0.2700, 0.4703)

Conversions

Conversions Part 1

Format	Color
Hex	1FA660
RGB	31, 166, 96
RGB Percent	12%, 65%, 38%
CMY	0.8789, 0.3490, 0.6236
CMYK	0.81, 0.00, 0.42, 0.35
HSL	149°, 69%, 39%
HSV	149°, 81%, 65%
XYZ	16.3093, 28.4083, 15.6871
YIQ	117.6550, -57.9900, -50.3900

Conversions

Conversions Part 2

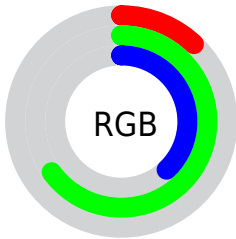
Format	Color
R_{YB}	31, 122, 166
Decimal	2074208
CIE _{Lab}	60.26, -50.84, 26.63
CIE _{LCh}	60, 57.395, 152.358
Yxy	28.4083, 0.2700, 0.4703
Android (android.graphics.Color)	4280264288 (0xFF1FA660)
YUV	117.6550, -10.6759, -75.9964
Hunter-Lab	53.2994, -38.6543, 19.8594

Details

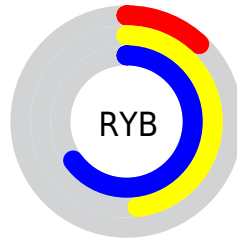
The Yxy color **28.4083, 0.2700, 0.4703** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **10.0188, 0.4438, 0.2396**, and the grayscale version is **18.0395, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.0585, 0.2810, 0.4376**, and **12.0237, 0.2770, 0.5174** is the 20% darker color. If you saturate the color by 10%, you get **28.0658, 0.2714, 0.4896**, and if you desaturate by 10%, it is **28.9030, 0.2705, 0.4503**.

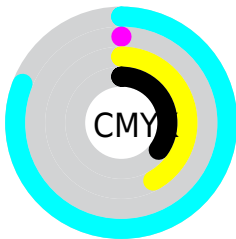
Distribution



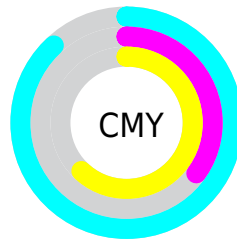
- Red (12%)
- Green (65%)
- Blue (38%)



- Red (12%)
- Yellow (48%)
- Blue (65%)



- Cyan (81%)
- Magenta (0%)
- Yellow (42%)
- Black (35%)





- Cyan (88%)
- Magenta (35%)
- Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.4083, 0.2700, 0.4703 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 28.4083, 0.2700, 0.4703 by changing the saturation by 10% instead.


 28.4083, 0.2700,
0.4703

 28.4083, 0.2700,
0.4703


294.4128, 0.2960,
0.3884

 18.6337, 0.2614,
0.4953


 57.1357, 0.2808,
0.4374

 11.4059, 0.2489,
0.5305


 76.8572, 0.2845,
0.4260


 6.3405, 0.2292,
0.5832


 100.6631, 0.2874,
0.4168

 3.0532, 0.1970,
0.6748

 128.9378, 0.2897,
0.4091

 1.1596, 0.0000,
1.0000

 162.0658, 0.2917,
0.4027

 0.0283, 0.0000,
1.0000

 200.4313, 0.2934,

 0.0000, 0.0000,

0.3972

0.0000

244.4189, 0.2948,
0.3925

■ 28.4083, 0.2700,
0.4703

■ 28.4083, 0.2700,
0.4703

■ 28.0658, 0.2714,
0.4896

■ 28.9030, 0.2705,
0.4503

■ 27.8549, 0.2737,
0.5054

■ 29.5649, 0.2729,
0.4303

■ 30.4109, 0.2769,
0.4107

■ 31.4547, 0.2823,
0.3920

■ 32.7090, 0.2888,
0.3745

■ 34.1850, 0.2960,
0.3584

■ 35.8933, 0.3037,
0.3438

■ 37.8437, 0.3116,
0.3307

■ 40.0456, 0.3196,
0.3191

Harmonies

Analogous

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



28.4083, 0.3573, 0.5045



28.4083, 0.2700, 0.4703



28.4083, 0.1993, 0.3727

Triad

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



28.4083, 0.2700, 0.4703



28.4083, 0.1869, 0.1924



28.4083, 0.4908, 0.3417

Complementary

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



28.4083, 0.2700, 0.4703



10.0188, 0.4438, 0.2396

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.



28.4083, 0.4312, 0.2800



28.4083, 0.2700, 0.4703



28.4083, 0.2468, 0.1986

Square

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



28.4083, 0.2700, 0.4703



28.4083, 0.1589, 0.2155



28.4083, 0.3359, 0.2295



28.4083, 0.4897, 0.4079

Rectangle

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



28.4083, 0.2700, 0.4703



28.4083, 0.1705, 0.3043



28.4083, 0.3359, 0.2295



28.4083, 0.4772, 0.3204

Sweetspot

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



28.4094, 0.2700, 0.4703



61.1761, 0.2937, 0.3632



30.2544, 0.3488, 0.5419



13.4833, 0.2912, 0.3687



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



28.4094, 0.2700, 0.4703



50.5799, 0.2740, 0.5050



30.1562, 0.2310, 0.3369



8.4657, 0.3053, 0.3409



21.6068, 0.2733, 0.5038



0.5361, 0.2557, 0.4407

Inverse Universe

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



10.0188, 0.4438, 0.2396



16.0315, 0.4858, 0.2461



9.2049, 0.5848, 0.3258



7.6048, 0.3208, 0.3174



6.8172, 0.4847, 0.2444



0.1761, 0.4173, 0.2073

Previews

White Background



This preview shows how the Yxy color 28.4083, 0.2700, 0.4703 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 28.4083, 0.2700, 0.4703 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 28.4083, 0.2700, 0.4703

Background



This preview shows how black text looks on a background with the Yxy color 28.4083, 0.2700, 0.4703.



This preview shows how white text looks on a background with the Yxy color 28.4083, 0.2700, 0.4703.

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

28.4083, 0.2700, 0.4703

Protanopia

27.9202, 0.3855, 0.4166

Deuteranopia

27.8142, 0.3889, 0.3818



Tritanopia

28.2095, 0.2346, 0.3061

Trichromacy



Original Color

28.4083, 0.2700, 0.4703



Protanomaly

26.6565, 0.3275, 0.4409



Deuteranomaly

26.0930, 0.3289, 0.4159



Tritanomaly

27.9091, 0.2464, 0.3609

Monochromacy



Original Color

28.4083, 0.2700, 0.4703



Achromatopsia

18.1164, 0.3127, 0.3290



Achromatomaly

20.4322, 0.2856, 0.3809

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.4083, 0.2700, 0.4703 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(31, 166, 96)` looks like.

```
.text, #text, p{  
    color:rgb(31, 166, 96)  
}
```

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(31, 166, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(31, 166, 96) }
```

Border

The CSS property to change the border of an element to Yxy 28.4083, 0.2700, 0.4703 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(31, 166, 96) }
```

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

```
.border{ border-color:rgb(31, 166, 96) }
```

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

Here you see how a box with a 4 pixel rgb(31, 166, 96) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(31, 166, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(31, 166, 96);  
box-shadow:4px 4px 4px 4px rgb(31, 166,  
96) }
```


Background

The CSS property to change the background color of an element to Yxy 28.4083, 0.2700, 0.4703 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(31, 166, 96) }
```

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

```
.background{ background-color: rgb(31, 166,  
96) }
```

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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