

Converting Colors

$Y_{xy}(29.6328, 0.2499, 0.4684)$

Have a look what the booklet for
Yxy(29.6328, 0.2499, 0.4684)
contains.

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Color

Yxy(30.4843, 0.2626, 0.4654)

Conversions

Conversions Part 1

Format	Color
Hex	00AC67
RGB	0, 172, 103
RGB Percent	0%, 67%, 40%
CMY	1.0000, 0.3255, 0.5960
CMYK	1.00, 0.00, 0.40, 0.33
HSL	156°, 100%, 34%
HSV	156°, 100%, 67%
XYZ	17.2006, 30.4843, 17.8164
YIQ	112.7060, -80.3630, -57.9230

Conversions

Conversions Part 2

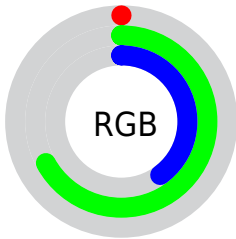
Format	Color
RYB	0, 108, 172
Decimal	44135
CIELab	62.07, -53.69, 25.21
CIELCh	62, 59.316, 154.847
Yxy	30.4843, 0.2626, 0.4654
Android (android.graphics.Color)	4278234215 (0xFF00AC67)
YUV	112.7060, -4.7851, -98.8432
Hunter-Lab	55.2126, -41.0131, 19.5167

Details

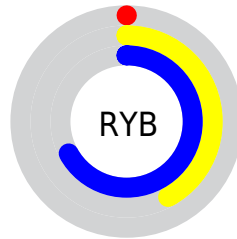
The Yxy color **30.4843, 0.2626, 0.4654** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **9.2004, 0.5361, 0.2727**, and the grayscale version is **16.4556, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.6805, 0.2745, 0.4343**, and **13.2327, 0.2737, 0.5052** is the 20% darker color. If you saturate the color by 10%, you get **30.4862, 0.2626, 0.4654**, and if you desaturate by 10%, it is **30.7516, 0.2607, 0.4504**.

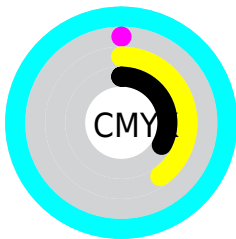
Distribution



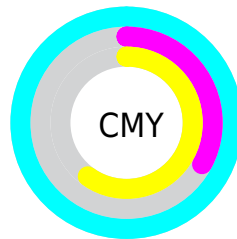
- Red (0%)
- Green (67%)
- Blue (40%)



- Red (0%)
- Yellow (42%)
- Blue (67%)



- Cyan (100%)
- Magenta (0%)
- Yellow (40%)
- Black (33%)




- Cyan (100%)
- Magenta (33%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.4843, 0.2626, 0.4654 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 30.4843, 0.2626, 0.4654 by changing the saturation by 10% instead.


 30.4843, 0.2626,
0.4654


 30.4843, 0.2626,
0.4654


304.1554, 0.2921,
0.3871

 20.2065, 0.2534,
0.4889


 60.4272, 0.2746,
0.4342


 12.5452, 0.2403,
0.5217


 80.8611, 0.2787,
0.4233

 7.1161, 0.2204,
0.5704


 105.4492, 0.2820,
0.4145

 3.5348, 0.1876,
0.6479

 134.5758, 0.2847,
0.4072

 1.4169, 0.0000,
1.0000

 168.6253, 0.2870,
0.4010

 0.2291, 0.0000,
1.0000

 207.9821, 0.2889,

 0.0000, 0.0000,

0.3957

0.0000

253.0307, 0.2906,
0.3911

■ 30.4843, 0.2626,
0.4654

■ 30.4843, 0.2626,
0.4654

■ 30.4862, 0.2626,
0.4654

■ 30.7516, 0.2607,
0.4504

■ 31.1335, 0.2603,
0.4351

■ 31.6741, 0.2619,
0.4196

■ 32.3927, 0.2654,
0.4043

■ 33.3059, 0.2706,
0.3895

■ 34.4282, 0.2773,
0.3754

■ 35.7728, 0.2852,
0.3622

■ 37.3516, 0.2939,
0.3500

■ 39.1760, 0.3031,
0.3390

Harmonies

Analogous

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



30.4843, 0.3501, 0.5065



30.4843, 0.2626, 0.4654



30.4843, 0.1938, 0.3640

Triad

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



30.4843, 0.2626, 0.4654



30.4843, 0.1897, 0.1909



30.4843, 0.4947, 0.3470

Complementary

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



30.4843, 0.2626, 0.4654



9.2004, 0.5361, 0.2727

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.



30.4843, 0.4392, 0.2844



30.4843, 0.2626, 0.4654



30.4843, 0.2527, 0.1993

Square

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



30.4843, 0.2626, 0.4654



30.4843, 0.1590, 0.2113



30.4843, 0.3443, 0.2323



30.4843, 0.4884, 0.4137

Rectangle

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



30.4843, 0.2626, 0.4654



30.4843, 0.1669, 0.2962



30.4843, 0.3443, 0.2323



30.4843, 0.4828, 0.3255

Sweetspot

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



30.4862, 0.2626, 0.4654



64.7525, 0.2847, 0.3629



30.8714, 0.3264, 0.5790



13.8474, 0.2814, 0.3681



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.



30.4862, 0.2626, 0.4654



55.2594, 0.2633, 0.4680



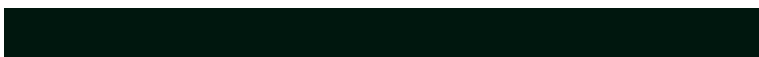
27.3199, 0.2175, 0.3029



9.0169, 0.3038, 0.3382



22.6968, 0.2622, 0.4639



0.6418, 0.2495, 0.4181

Inverse Universe

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



9.2004, 0.5361, 0.2727



16.6492, 0.5405, 0.2751



9.0942, 0.6333, 0.3353



8.0666, 0.3226, 0.3199



6.8566, 0.5335, 0.2713



0.2017, 0.4542, 0.2276

Previews

White Background



This preview shows how the Yxy color 30.4843, 0.2626, 0.4654 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 30.4843, 0.2626, 0.4654 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 30.4843, 0.2626, 0.4654

Background



This preview shows how black text looks on a background with the Yxy color 30.4843, 0.2626, 0.4654.



This preview shows how white text looks on a background with the Yxy color 30.4843, 0.2626, 0.4654.

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

30.4843, 0.2626, 0.4654

Protanopia

29.9844, 0.3813, 0.4132

Deuteranopia

30.0008, 0.3843, 0.3775



Tritanopia

30.3928, 0.2310, 0.3050

Trichromacy



Original Color

30.4843, 0.2626, 0.4654



Protanomaly

27.8606, 0.3129, 0.4401



Deuteranomaly

27.6175, 0.3135, 0.4144



Tritanomaly

29.9058, 0.2394, 0.3583

Monochromacy



Original Color

30.4843, 0.2626, 0.4654



Achromatopsia

16.5132, 0.3127, 0.3290



Achromatomaly

19.5320, 0.2737, 0.3830

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.4843, 0.2626, 0.4654 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(0, 172, 103)` looks like.

```
.text, #text, p{  
    color:rgb(0, 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(0, 172, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 172, 103) }
```

Border

The CSS property to change the border of an element to Yxy 30.4843, 0.2626, 0.4654 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(0, 172, 103) }
```

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

```
.border{ border-color:rgb(0, 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(0, 172, 103) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 172, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 172, 103);  
box-shadow:4px 4px 4px 4px rgb(0, 172,  
103) }
```


Background

The CSS property to change the background color of an element to Yxy 30.4843, 0.2626, 0.4654 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 172, 103) }
```

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

```
.background{ background-color: rgb(0, 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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