

Converting Colors

$Y_{xy}(29.5544, 0.2571, 0.5125)$

Have a look what the booklet for
Yxy(29.5544, 0.2571, 0.5125)
contains.

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Color

Yxy(30.5272, 0.2735, 0.5048)

Conversions

Conversions Part 1

Format	Color
Hex	00AD54
RGB	0, 173, 84
RGB Percent	0%, 68%, 33%
CMY	1.0000, 0.3215, 0.6706
CMYK	1.00, 0.00, 0.51, 0.32
HSL	149°, 100%, 34%
HSV	149°, 100%, 68%
XYZ	16.5396, 30.5272, 13.4071
YIQ	111.1270, -74.5390, -64.3550

Conversions

Conversions Part 2

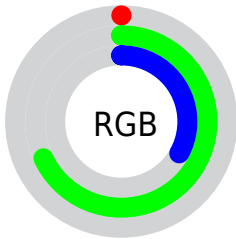
Format	Color
RYB	0, 116, 173
Decimal	44372
CIELab	62.11, -57.52, 35.17
CIELCh	62, 67.418, 148.559
Yxy	30.5272, 0.2735, 0.5048
Android (android.graphics.Color)	4278234452 (0xFF00AD54)
YUV	111.1270, -13.3736, -97.4584
Hunter-Lab	55.2514, -43.2557, 24.2890

Details

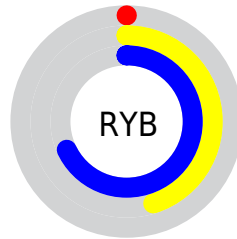
The Yxy color **30.5272, 0.2735, 0.5048** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **9.6069, 0.4888, 0.2466**, and the grayscale version is **15.9926, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.6701, 0.2849, 0.4648**, and **13.3150, 0.2874, 0.5545** is the 20% darker color. If you saturate the color by 10%, you get **30.5312, 0.2736, 0.5048**, and if you desaturate by 10%, it is **30.8016, 0.2709, 0.4864**.

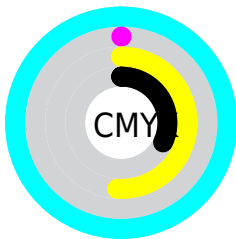
Distribution



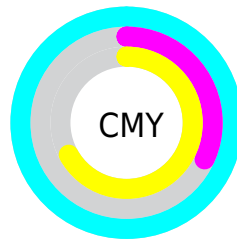
- Red (0%)
- Green (68%)
- Blue (33%)



- Red (0%)
- Yellow (45%)
- Blue (68%)



- Cyan (100%)
- Magenta (0%)
- Yellow (51%)
- Black (32%)




- Cyan (100%)
- Magenta (32%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.5272, 0.2735, 0.5048 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 30.5272, 0.2735, 0.5048 by changing the saturation by 10% instead.


 30.5272, 0.2735,
0.5048


 30.5272, 0.2735,
0.5048


 304.3542, 0.2990,
0.4032

 20.2391, 0.2644,
0.5352


 60.4949, 0.2846,
0.4642


 12.5690, 0.2509,
0.5773


 80.9433, 0.2881,
0.4501

 7.1324, 0.2289,
0.6383


 105.5473, 0.2910,
0.4386

 3.5450, 0.1977,
0.7582

 134.6912, 0.2932,
0.4291

 1.4225, 0.0000,
1.0000

 168.7594, 0.2951,
0.4211

 0.2332, 0.0000,
1.0000

 208.1364, 0.2966,

 0.0000, 0.0000,

0.4142

0.0000

253.2065, 0.2979,
0.4083

■ 30.5272, 0.2735,
0.5048

■ 30.5272, 0.2735,
0.5048

■ 30.5312, 0.2736,
0.5048

■ 30.8016, 0.2709,
0.4864

■ 31.1969, 0.2697,
0.4670

■ 31.7598, 0.2704,
0.4471

■ 32.5103, 0.2730,
0.4271

■ 33.4655, 0.2773,
0.4077

■ 34.6404, 0.2829,
0.3892

■ 36.0487, 0.2895,
0.3720

■ 37.7029, 0.2969,
0.3562

■ 39.6144, 0.3047,
0.3418

Harmonies

Analogous

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



30.5272, 0.3710, 0.5279



30.5272, 0.2735, 0.5048



30.5272, 0.1919, 0.3946

Triad

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



30.5272, 0.2735, 0.5048



30.5272, 0.1667, 0.1781



30.5272, 0.5109, 0.3306

Complementary

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



30.5272, 0.2735, 0.5048



9.6069, 0.4888, 0.2466

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.



30.5272, 0.4354, 0.2650



30.5272, 0.2735, 0.5048



30.5272, 0.2274, 0.1818

Square

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



30.5272, 0.2735, 0.5048



30.5272, 0.1408, 0.2063



30.5272, 0.3239, 0.2123



30.5272, 0.5153, 0.4024

Rectangle

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



30.5272, 0.2735, 0.5048



30.5272, 0.1578, 0.3123



30.5272, 0.3239, 0.2123



30.5272, 0.4929, 0.3079

Sweetspot

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



30.5312, 0.2736, 0.5048



64.4101, 0.2892, 0.3729



32.0343, 0.3392, 0.5689



13.7655, 0.2864, 0.3798



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.



30.5312, 0.2736, 0.5048



54.6296, 0.2744, 0.5077



32.7982, 0.2261, 0.3338



9.0017, 0.3053, 0.3409



22.4382, 0.2730, 0.5029



0.6353, 0.2571, 0.4455

Inverse Universe

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



9.6069, 0.4888, 0.2466



17.1595, 0.4924, 0.2486



8.8917, 0.6382, 0.3289



8.0816, 0.3209, 0.3174



7.0684, 0.4865, 0.2454



0.2076, 0.4238, 0.2108

Previews

White Background



This preview shows how the Yxy color 30.5272, 0.2735, 0.5048 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 30.5272, 0.2735, 0.5048 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 30.5272, 0.2735, 0.5048

Background



This preview shows how black text looks on a background with the Yxy color 30.5272, 0.2735, 0.5048.



This preview shows how white text looks on a background with the Yxy color 30.5272, 0.2735, 0.5048.

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

30.5272, 0.2735, 0.5048

Protanopia

30.0160, 0.4009, 0.4365

Deuteranopia

29.8220, 0.4083, 0.4002



Tritanopia

30.5223, 0.2336, 0.3067

Trichromacy



Original Color

30.5272, 0.2735, 0.5048



Protanomaly

28.0215, 0.3284, 0.4728



Deuteranomaly

27.1486, 0.3320, 0.4448



Tritanomaly

30.1342, 0.2451, 0.3736

Monochromacy



Original Color

30.5272, 0.2735, 0.5048



Achromatopsia

15.8961, 0.3127, 0.3290



Achromatomaly

19.3294, 0.2799, 0.4016

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.5272, 0.2735, 0.5048 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, 173, 84)` looks like.

```
.text, #text, p{  
    color:rgb(0, 173, 84)  
}
```

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, 173, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 173, 84) }
```

Border

The CSS property to change the border of an element to Yxy 30.5272, 0.2735, 0.5048 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, 173, 84) }
```

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

```
.border{ border-color:rgb(0, 173, 84) }
```

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

Here you see how a box with a 4 pixel rgb(0, 173, 84) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 173, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 173, 84);  
box-shadow:4px 4px 4px 4px rgb(0, 173, 84)  
}
```


Background

The CSS property to change the background color of an element to Yxy 30.5272, 0.2735, 0.5048 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 173, 84) }
```

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

```
.background{ background-color: rgb(0, 173,  
84) }
```

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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