

Converting Colors

$Y_{xy}(30.6025, 0.2770, 0.5163)$

Have a look what the booklet for
Yxy(30.6025, 0.2770, 0.5163)
contains.

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Color

$\text{Yxy}(30.4501, 0.2769, 0.5159)$

Conversions

Conversions Part 1

Format	Color
Hex	02AD4E
RGB	2, 173, 78
RGB Percent	1%, 68%, 31%
CMY	0.9926, 0.3216, 0.6940
CMYK	0.99, 0.00, 0.55, 0.32
HSL	147°, 98%, 34%
HSV	147°, 99%, 68%
XYZ	16.3435, 30.4501, 12.2296
YIQ	111.0410, -71.4210, -65.7970

Conversions

Conversions Part 2

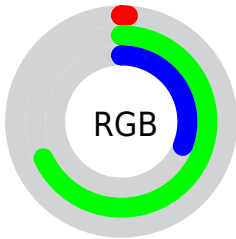
Format	Color
RYB	2, 120, 173
Decimal	175438
CIELab	62.04, -58.34, 38.06
CIELCh	62, 69.657, 146.885
Yxy	30.4501, 0.2769, 0.5159
Android (android.graphics.Color)	4278365518 (0xFF02AD4E)
YUV	111.0410, -16.2892, -95.6290
Hunter-Lab	55.1816, -43.7002, 25.4870

Details

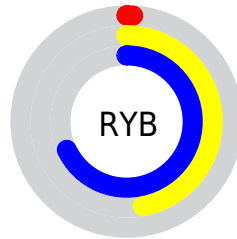
The Yxy color **30.4501, 0.2769, 0.5159** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **9.7861, 0.4695, 0.2368**, and the grayscale version is **15.9640, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.5058, 0.2878, 0.4735**, and **13.2775, 0.2910, 0.5677** is the 20% darker color. If you saturate the color by 10%, you get **30.4242, 0.2772, 0.5179**, and if you desaturate by 10%, it is **30.7275, 0.2741, 0.4966**.

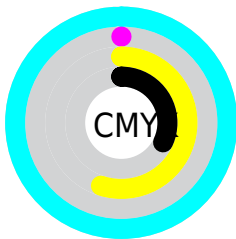
Distribution



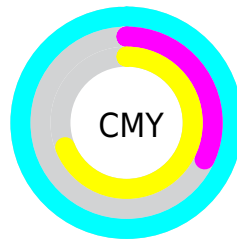
- Red (1%)
- Green (68%)
- Blue (31%)



- Red (1%)
- Yellow (47%)
- Blue (68%)



- Cyan (99%)
- Magenta (0%)
- Yellow (55%)
- Black (32%)





- Cyan (99%)
- Magenta (32%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.4501, 0.2769, 0.5159 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 30.4501, 0.2769, 0.5159 by changing the saturation by 10% instead.


 30.4501, 0.2769,
0.5159


 30.4501, 0.2769,
0.5159


303.9969, 0.3012,
0.4078

 20.1805, 0.2678,
0.5481


 60.3733, 0.2877,
0.4728


 12.5263, 0.2539,
0.5925


 80.7956, 0.2912,
0.4577


 7.1032, 0.2311,
0.6561


 105.3709, 0.2938,
0.4455

 3.5267, 0.2026,
0.7974

 134.4837, 0.2959,
0.4353

 1.4125, 0.0000,
1.0000

 168.5183, 0.2977,
0.4268

 0.2259, 0.0000,
1.0000

 207.8591, 0.2991,

 0.0000, 0.0000,

0.4195

0.0000

252.8905, 0.3002,
0.4132

■ 30.4501, 0.2769,
0.5159

■ 30.4501, 0.2769,
0.5159

■ 30.4242, 0.2772,
0.5179

■ 30.7275, 0.2741,
0.4966

■ 31.1400, 0.2729,
0.4759

■ 31.7252, 0.2736,
0.4545

■ 32.5028, 0.2761,
0.4330

■ 33.4898, 0.2802,
0.4120

■ 34.7013, 0.2855,
0.3921

■ 36.1508, 0.2918,
0.3736

■ 37.8508, 0.2988,
0.3566

■ 39.8129, 0.3061,
0.3413

Harmonies

Analogous

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



30.4501, 0.3769, 0.5326



30.4501, 0.2769, 0.5159



30.4501, 0.1918, 0.4042

Triad

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



30.4501, 0.2769, 0.5159



30.4501, 0.1606, 0.1748



30.4501, 0.5149, 0.3258

Complementary

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



30.4501, 0.2769, 0.5159



9.7861, 0.4695, 0.2368

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.



30.4501, 0.4334, 0.2595



30.4501, 0.2769, 0.5159



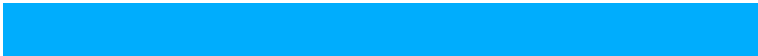
30.4501, 0.2203, 0.1772

Square

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



30.4501, 0.2769, 0.5159



30.4501, 0.1361, 0.2053



30.4501, 0.3177, 0.2069



30.4501, 0.5225, 0.3986

Rectangle

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



30.4501, 0.2769, 0.5159



30.4501, 0.1557, 0.3177



30.4501, 0.3177, 0.2069



30.4501, 0.4950, 0.3028

Sweetspot

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



30.4513, 0.2769, 0.5159



64.2922, 0.2908, 0.3765



32.5372, 0.3469, 0.5620



13.7374, 0.2882, 0.3839



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.



30.4513, 0.2769, 0.5159



54.4439, 0.2781, 0.5210



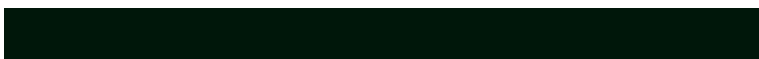
32.4951, 0.2305, 0.3491



8.9964, 0.3058, 0.3419



22.3612, 0.2767, 0.5160



0.6332, 0.2598, 0.4552

Inverse Universe

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



9.7861, 0.4695, 0.2368



17.3803, 0.4751, 0.2391



8.9555, 0.6304, 0.3258



8.0870, 0.3203, 0.3165



7.1591, 0.4697, 0.2361



0.2100, 0.4135, 0.2052

Previews

White Background



This preview shows how the Yxy color 30.4501, 0.2769, 0.5159 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 30.4501, 0.2769, 0.5159 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 30.4501, 0.2769, 0.5159

Background



This preview shows how black text looks on a background with the Yxy color 30.4501, 0.2769, 0.5159.



This preview shows how white text looks on a background with the Yxy color 30.4501, 0.2769, 0.5159.

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

30.4501, 0.2769, 0.5159

Protanopia

29.9364, 0.4059, 0.4439

Deuteranopia

29.8416, 0.4154, 0.4076



Tritanopia

30.5579, 0.2341, 0.3067

Trichromacy



Original Color

30.4501, 0.2769, 0.5159



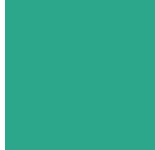
Protanomaly

27.9989, 0.3337, 0.4823



Deuteranomaly

27.1200, 0.3380, 0.4548



Tritanomaly

30.0664, 0.2472, 0.3794

Monochromacy



Original Color

30.4501, 0.2769, 0.5159



Achromatopsia

15.8961, 0.3127, 0.3290



Achromatomaly

19.2906, 0.2817, 0.4062

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.4501, 0.2769, 0.5159 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(2, 173, 78)` looks like.

```
.text, #text, p{  
    color:rgb(2, 173, 78)  
}
```

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(2, 173, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 173, 78) }
```

Border

The CSS property to change the border of an element to Yxy 30.4501, 0.2769, 0.5159 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(2, 173, 78) }
```

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

```
.border{ border-color:rgb(2, 173, 78) }
```

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

Here you see how a box with a 4 pixel `rgb(2, 173, 78)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 173, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(2, 173, 78);  
box-shadow:4px 4px 4px 4px rgb(2, 173, 78)  
}
```


Background

The CSS property to change the background color of an element to Yxy 30.4501, 0.2769, 0.5159 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 173, 78) }
```

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

```
.background{ background-color: rgb(2, 173,  
78) }
```

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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