

Converting Colors

$Y_{xy}(29.9512, 0.2776, 0.5187)$

Have a look what the booklet for
Yxy(29.9512, 0.2776, 0.5187)
contains.

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Color

Yxy(30.0333, 0.2776, 0.5188)

Conversions

Conversions Part 1

Format	Color
Hex	01AC4C
RGB	1, 172, 76
RGB Percent	0%, 67%, 30%
CMY	0.9957, 0.3255, 0.7020
CMYK	0.99, 0.00, 0.56, 0.33
HSL	146°, 99%, 34%
HSV	146°, 99%, 67%
XYZ	16.0702, 30.0333, 11.7864
YIQ	109.9270, -71.1000, -66.1080

Conversions

Conversions Part 2

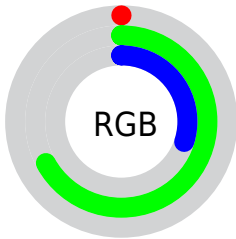
Format	Color
RYB	1, 120, 172
Decimal	109644
CIELab	61.68, -58.36, 38.62
CIELCh	62, 69.981, 146.506
Yxy	30.0333, 0.2776, 0.5188
Android (android.graphics.Color)	4278299724 (0xFF01AC4C)
YUV	109.9270, -16.7260, -95.5290
Hunter-Lab	54.8026, -43.5616, 25.6104

Details

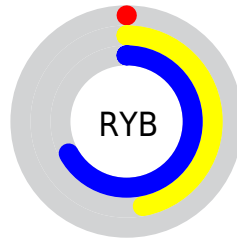
The Yxy color **30.0333, 0.2776, 0.5188** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **9.6597, 0.4676, 0.2354**, and the grayscale version is **15.6441, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.8981, 0.2886, 0.4754**, and **13.0314, 0.2918, 0.5706** is the 20% darker color. If you saturate the color by 10%, you get **30.0189, 0.2778, 0.5200**, and if you desaturate by 10%, it is **30.3036, 0.2748, 0.4994**.

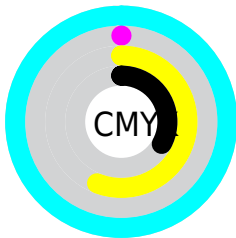
Distribution



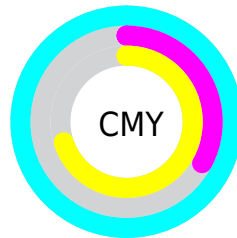
- Red (0%)
- Green (67%)
- Blue (30%)



- Red (0%)
- Yellow (47%)
- Blue (67%)



- Cyan (99%)
- Magenta (0%)
- Yellow (56%)
- Black (33%)





- Cyan (100%)
- Magenta (33%)
- Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.0333, 0.2776, 0.5188 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 30.0333, 0.2776, 0.5188 by changing the saturation by 10% instead.


 30.0333, 0.2776,
0.5188

 30.0333, 0.2776,
0.5188


302.0596, 0.3018,
0.4087


 19.8639, 0.2684,
0.5517


 59.7148, 0.2885,
0.4748

 12.2961, 0.2543,
0.5969


 79.9957, 0.2919,
0.4595


 6.9457, 0.2309,
0.6617


 104.4159, 0.2945,
0.4471

 3.4282, 0.2000,
0.8000

 133.3597, 0.2966,
0.4368

 1.3591, 0.0000,
1.0000

 167.2116, 0.2983,
0.4281

 0.1863, 0.0000,
1.0000

 206.3560, 0.2997,

 0.0000, 0.0000,

0.4207

0.0000

251.1772, 0.3008,
0.4143

■ 30.0333, 0.2776,
0.5188

■ 30.0333, 0.2776,
0.5188

■ 30.0189, 0.2778,
0.5200

■ 30.3036, 0.2748,
0.4994

■ 30.7039, 0.2735,
0.4786

■ 31.2740, 0.2740,
0.4570

■ 32.0337, 0.2764,
0.4352

■ 32.9998, 0.2804,
0.4140

■ 34.1871, 0.2856,
0.3938

■ 35.6092, 0.2918,
0.3749

■ 37.2785, 0.2986,
0.3577

■ 39.2065, 0.3058,
0.3421

Harmonies

Analogous

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



30.0333, 0.3783, 0.5339



30.0333, 0.2776, 0.5188



30.0333, 0.1916, 0.4066

Triad

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



30.0333, 0.2776, 0.5188



30.0333, 0.1591, 0.1739



30.0333, 0.5160, 0.3246

Complementary

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



30.0333, 0.2776, 0.5188



9.6597, 0.4676, 0.2354

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.



30.0333, 0.4331, 0.2581



30.0333, 0.2776, 0.5188



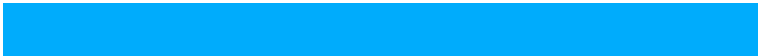
30.0333, 0.2185, 0.1759

Square

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



30.0333, 0.2776, 0.5188



30.0333, 0.1348, 0.2049



30.0333, 0.3162, 0.2054



30.0333, 0.5245, 0.3977

Rectangle

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



30.0333, 0.2776, 0.5188



30.0333, 0.1550, 0.3190



30.0333, 0.3162, 0.2054



30.0333, 0.4957, 0.3015

Sweetspot

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



30.0345, 0.2776, 0.5188



64.2727, 0.2910, 0.3771



32.1016, 0.3467, 0.5624



13.7327, 0.2885, 0.3846



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.



30.0345, 0.2776, 0.5188



54.4149, 0.2787, 0.5231



32.0722, 0.2304, 0.3492



8.9955, 0.3059, 0.3420



22.3492, 0.2773, 0.5181



0.6328, 0.2602, 0.4568

Inverse Universe

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



9.6597, 0.4676, 0.2354



17.4191, 0.4722, 0.2375



8.8225, 0.6312, 0.3258



8.0879, 0.3202, 0.3163



7.1750, 0.4670, 0.2346



0.2103, 0.4118, 0.2042

Previews

White Background



This preview shows how the Yxy color 30.0333, 0.2776, 0.5188 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 30.0333, 0.2776, 0.5188 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 30.0333, 0.2776, 0.5188

Background



This preview shows how black text looks on a background with the Yxy color 30.0333, 0.2776, 0.5188.



This preview shows how white text looks on a background with the Yxy color 30.0333, 0.2776, 0.5188.

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

30.0333, 0.2776, 0.5188

Protanopia

29.4897, 0.4072, 0.4456

Deuteranopia

29.3931, 0.4170, 0.4092



Tritanopia

30.1291, 0.2338, 0.3066

Trichromacy



Original Color

30.0333, 0.2776, 0.5188



Protanomaly

27.5721, 0.3344, 0.4848



Deuteranomaly

26.6954, 0.3389, 0.4573



Tritanomaly

29.6501, 0.2471, 0.3798

Monochromacy



Original Color

30.0333, 0.2776, 0.5188



Achromatopsia

15.5926, 0.3127, 0.3290



Achromatomaly

18.9590, 0.2815, 0.4068

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.0333, 0.2776, 0.5188 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(1, 172, 76)` looks like.

```
.text, #text, p{  
    color:rgb(1, 172, 76)  
}
```

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(1, 172, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 172, 76) }
```

Border

The CSS property to change the border of an element to Yxy 30.0333, 0.2776, 0.5188 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(1, 172, 76) }
```

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

```
.border{ border-color:rgb(1, 172, 76) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 172, 76)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 172, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 172, 76);  
box-shadow:4px 4px 4px 4px rgb(1, 172, 76)  
}
```


Background

The CSS property to change the background color of an element to Yxy 30.0333, 0.2776, 0.5188 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 172, 76) }
```

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

```
.background{ background-color: rgb(1, 172,  
76) }
```

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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