

Converting Colors

$Yxy(29.3207, 0.2760, 0.5280)$

Have a look what the booklet for
Yxy(29.3207, 0.2760, 0.5280)
contains.

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Color

Yxy(29.5808, 0.2797, 0.5271)

Conversions

Conversions Part 1

Format	Color
Hex	00AB47
RGB	0, 171, 71
RGB Percent	0%, 67%, 28%
CMY	1.0000, 0.3294, 0.7216
CMYK	1.00, 0.00, 0.58, 0.33
HSL	145°, 100%, 34%
HSV	145°, 100%, 67%
XYZ	15.6967, 29.5808, 10.8424
YIQ	108.4710, -69.8160, -67.3520

Conversions

Conversions Part 2

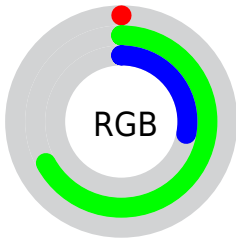
Format	Color
RYB	0, 121, 171
Decimal	43847
CIELab	61.29, -58.83, 40.56
CIELCh	61, 71.455, 145.416
Yxy	29.5808, 0.2797, 0.5271
Android (android.graphics.Color)	4278233927 (0xFF00AB47)
YUV	108.4710, -18.4732, -95.1291
Hunter-Lab	54.3882, -43.6634, 26.2522

Details

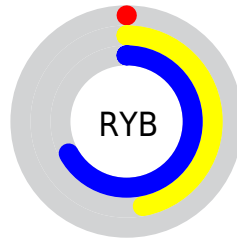
The Yxy color **29.5808, 0.2797, 0.5271** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **9.5794, 0.4593, 0.2304**, and the grayscale version is **15.2048, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.2191, 0.2909, 0.4817**, and **12.7696, 0.2947, 0.5808** is the 20% darker color. If you saturate the color by 10%, you get **29.5843, 0.2797, 0.5271**, and if you desaturate by 10%, it is **29.8436, 0.2769, 0.5074**.

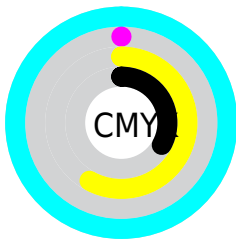
Distribution



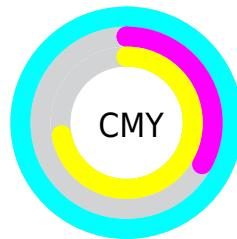
- Red (0%)
- Green (67%)
- Blue (28%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (58%)
- Black (33%)




- Cyan (100%)
- Magenta (33%)
- Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.5808, 0.2797, 0.5271 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 29.5808, 0.2797, 0.5271 by changing the saturation by 10% instead.

 29.5808, 0.2797,
0.5271


 29.5808, 0.2797,
0.5271


299.9456, 0.3033,
0.4120

 19.5206, 0.2703,
0.5615


 58.9986, 0.2906,
0.4811


 12.0471, 0.2557,
0.6086


 79.1250, 0.2939,
0.4651


 6.7757, 0.2312,
0.6755


 103.3756, 0.2965,
0.4521


 3.3222, 0.1949,
0.8051

 132.1348, 0.2985,
0.4413

 1.3022, 0.0000,
1.0000

 165.7871, 0.3000,
0.4322

 0.1429, 0.0000,
1.0000

 204.7166, 0.3014,

 0.0000, 0.0000,

0.4244

0.0000

249.3080, 0.3024,
0.4178

■ 29.5808, 0.2797,
0.5271

■ 29.5808, 0.2797,
0.5271

■ 29.5843, 0.2797,
0.5271

■ 29.8436, 0.2769,
0.5074

■ 30.2282, 0.2753,
0.4862

■ 30.7807, 0.2757,
0.4638

■ 31.5207, 0.2778,
0.4412

■ 32.4650, 0.2815,
0.4190

■ 33.6285, 0.2864,
0.3978

■ 35.0248, 0.2923,
0.3781

■ 36.6661, 0.2988,
0.3600

■ 38.5640, 0.3057,
0.3436

Harmonies

Analogous

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



29.5808, 0.3823, 0.5374



29.5808, 0.2797, 0.5271



29.5808, 0.1911, 0.4138

Triad

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



29.5808, 0.2797, 0.5271



29.5808, 0.1546, 0.1713



29.5808, 0.5193, 0.3212

Complementary

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



29.5808, 0.2797, 0.5271



9.5794, 0.4593, 0.2304

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.



29.5808, 0.4320, 0.2542



29.5808, 0.2797, 0.5271



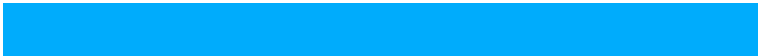
29.5808, 0.2135, 0.1725

Square

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



29.5808, 0.2797, 0.5271



29.5808, 0.1313, 0.2039



29.5808, 0.3118, 0.2014



29.5808, 0.5300, 0.3951

Rectangle

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



29.5808, 0.2797, 0.5271



29.5808, 0.1531, 0.3228



29.5808, 0.3118, 0.2014



29.5808, 0.4976, 0.2979

Sweetspot

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



29.5843, 0.2797, 0.5271



62.5765, 0.2920, 0.3791



31.9897, 0.3515, 0.5591



13.7171, 0.2895, 0.3870



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.



29.5843, 0.2797, 0.5271



52.9374, 0.2806, 0.5302



31.4595, 0.2333, 0.3600



8.9924, 0.3062, 0.3426



22.3095, 0.2792, 0.5252



0.6317, 0.2618, 0.4624

Inverse Universe

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



9.5794, 0.4593, 0.2304



17.1109, 0.4623, 0.2320



8.6998, 0.6277, 0.3232



8.0910, 0.3199, 0.3158



7.2312, 0.4576, 0.2294



0.2117, 0.4061, 0.2011

Previews

White Background



This preview shows how the Yxy color 29.5808, 0.2797, 0.5271 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 29.5808, 0.2797, 0.5271 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 29.5808, 0.2797, 0.5271

Background



This preview shows how black text looks on a background with the Yxy color 29.5808, 0.2797, 0.5271.



This preview shows how white text looks on a background with the Yxy color 29.5808, 0.2797, 0.5271.

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

29.5808, 0.2797, 0.5271

Protanopia

29.0241, 0.4100, 0.4497

Deuteranopia

29.0387, 0.4216, 0.4130



Tritanopia

29.3877, 0.2346, 0.3064

Trichromacy



Original Color

29.5808, 0.2797, 0.5271



Protanomaly

27.1252, 0.3365, 0.4905



Deuteranomaly

26.3139, 0.3425, 0.4628



Tritanomaly

28.8421, 0.2481, 0.3824

Monochromacy



Original Color

29.5808, 0.2797, 0.5271



Achromatopsia

14.9960, 0.3127, 0.3290



Achromatomaly

18.3240, 0.2830, 0.4103

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.5808, 0.2797, 0.5271 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, 171, 71)` looks like.

```
.text, #text, p{  
    color:rgb(0, 171, 71)  
}
```

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, 171, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 171, 71) }
```

Border

The CSS property to change the border of an element to Yxy 29.5808, 0.2797, 0.5271 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, 171, 71) }
```

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

```
.border{ border-color:rgb(0, 171, 71) }
```

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

Here you see how a box with a 4 pixel rgb(0, 171, 71) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 171, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 171, 71);  
box-shadow:4px 4px 4px 4px rgb(0, 171, 71)  
}
```


Background

The CSS property to change the background color of an element to Yxy 29.5808, 0.2797, 0.5271 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 171, 71) }
```

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

```
.background{ background-color: rgb(0, 171,  
71) }
```

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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