

Converting Colors

$Yxy(29.1623, 0.2809, 0.5313)$

Have a look what the booklet for
Yxy(29.1623, 0.2809, 0.5313)
contains.

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Color

Yxy(29.1668, 0.2810, 0.5316)

Conversions

Conversions Part 1

Format	Color
Hex	00AA44
RGB	0, 170, 68
RGB Percent	0%, 67%, 27%
CMY	1.0000, 0.3333, 0.7334
CMYK	1.00, 0.00, 0.60, 0.33
HSL	144°, 100%, 33%
HSV	144°, 100%, 67%
XYZ	15.4174, 29.1668, 10.2819
YIQ	107.5420, -68.5780, -67.7620

Conversions

Conversions Part 2

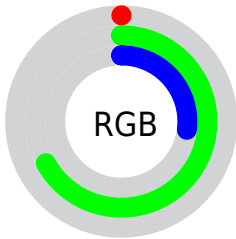
Format	Color
RYB	0, 121, 170
Decimal	43588
CIELab	60.93, -58.90, 41.56
CIELCh	61, 72.090, 144.795
Yxy	29.1668, 0.2810, 0.5316
Android (android.graphics.Color)	4278233668 (0xFF00AA44)
YUV	107.5420, -19.4942, -94.3143
Hunter-Lab	54.0063, -43.5540, 26.5166

Details

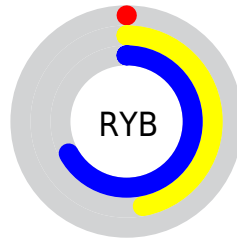
The Yxy color **29.1668, 0.2810, 0.5316** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **9.5063, 0.4530, 0.2269**, and the grayscale version is **14.9311, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.5454, 0.2918, 0.4852**, and **12.5253, 0.2960, 0.5855** is the 20% darker color. If you saturate the color by 10%, you get **29.1680, 0.2810, 0.5316**, and if you desaturate by 10%, it is **29.4228, 0.2781, 0.5118**.

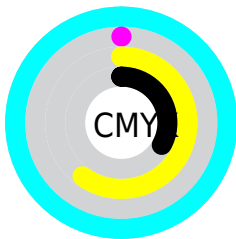
Distribution



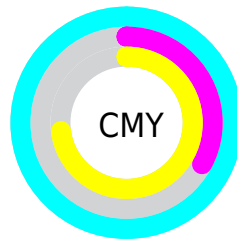
- Red (0%)
- Green (67%)
- Blue (27%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (60%)
- Black (33%)



- Cyan (100%)
- Magenta (33%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.1668, 0.2810, 0.5316 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 29.1668, 0.2810, 0.5316 by changing the saturation by 10% instead.

 29.1668, 0.2810,
0.5316


 29.1668, 0.2810,
0.5316


298.0012, 0.3043,
0.4136

 19.2070, 0.2715,
0.5668


 58.3420, 0.2919,
0.4844


 11.8200, 0.2566,
0.6151


 78.3262, 0.2952,
0.4680


 6.6212, 0.2314,
0.6837


 102.4207, 0.2977,
0.4547

 3.2264, 0.1915,
0.8085

 131.0099, 0.2996,
0.4436

 1.2510, 0.0000,
1.0000

 164.4781, 0.3011,
0.4343

 0.1028, 0.0000,
1.0000

 203.2098, 0.3024,

 0.0000, 0.0000,

0.4264

0.0000

247.5894, 0.3034,
0.4196

■ 29.1668, 0.2810,
0.5316

■ 29.1668, 0.2810,
0.5316

■ 29.1680, 0.2810,
0.5316

■ 29.4228, 0.2781,
0.5118

■ 29.8020, 0.2765,
0.4902

■ 30.3477, 0.2768,
0.4674

■ 31.0795, 0.2788,
0.4442

■ 32.0140, 0.2824,
0.4214

■ 33.1660, 0.2872,
0.3997

■ 34.5488, 0.2929,
0.3794

■ 36.1746, 0.2992,
0.3608

■ 38.0547, 0.3059,
0.3440

Harmonies

Analogous

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



29.1668, 0.3846, 0.5391



29.1668, 0.2810, 0.5316



29.1668, 0.1911, 0.4179

Triad

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



29.1668, 0.2810, 0.5316



29.1668, 0.1522, 0.1700



29.1668, 0.5208, 0.3192

Complementary

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



29.1668, 0.2810, 0.5316



9.5063, 0.4530, 0.2269

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.



29.1668, 0.4311, 0.2519



29.1668, 0.2810, 0.5316



29.1668, 0.2107, 0.1706

Square

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



29.1668, 0.2810, 0.5316



29.1668, 0.1294, 0.2035



29.1668, 0.3093, 0.1992



29.1668, 0.5329, 0.3935

Rectangle

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



29.1668, 0.2810, 0.5316



29.1668, 0.1522, 0.3251



29.1668, 0.3093, 0.1992



29.1668, 0.4984, 0.2958

Sweetspot

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



29.1680, 0.2810, 0.5316



62.5343, 0.2926, 0.3805



31.7443, 0.3541, 0.5570



13.7068, 0.2902, 0.3886



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.



29.1680, 0.2810, 0.5316



52.8793, 0.2819, 0.5348



30.9585, 0.2349, 0.3655



8.4556, 0.3064, 0.3429



21.4657, 0.2804, 0.5296



0.5324, 0.2613, 0.4608

Inverse Universe

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



9.5063, 0.4530, 0.2269



17.2033, 0.4559, 0.2285



8.5964, 0.6248, 0.3216



7.6151, 0.3196, 0.3155



7.0038, 0.4511, 0.2259



0.1801, 0.3980, 0.1966

Previews

White Background



This preview shows how the Yxy color 29.1668, 0.2810, 0.5316 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 29.1668, 0.2810, 0.5316 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 29.1668, 0.2810, 0.5316

Background



This preview shows how black text looks on a background with the Yxy color 29.1668, 0.2810, 0.5316.



This preview shows how white text looks on a background with the Yxy color 29.1668, 0.2810, 0.5316.

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

29.1668, 0.2810, 0.5316

Protanopia

28.6812, 0.4132, 0.4518

Deuteranopia

28.5848, 0.4242, 0.4158



Tritanopia

29.0038, 0.2348, 0.3063

Trichromacy



Original Color

29.1668, 0.2810, 0.5316



Protanomaly

26.7559, 0.3389, 0.4940



Deuteranomaly

25.8845, 0.3442, 0.4669



Tritanomaly

28.4292, 0.2489, 0.3847

Monochromacy



Original Color

29.1668, 0.2810, 0.5316



Achromatopsia

14.9960, 0.3127, 0.3290



Achromatomaly

18.2881, 0.2848, 0.4151

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.1668, 0.2810, 0.5316 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, 170, 68)` looks like.

```
.text, #text, p{  
    color:rgb(0, 170, 68)  
}
```

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, 170, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 170, 68) }
```

Border

The CSS property to change the border of an element to Yxy 29.1668, 0.2810, 0.5316 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, 170, 68) }
```

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

```
.border{ border-color:rgb(0, 170, 68) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 170, 68)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 170, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 170, 68);  
box-shadow:4px 4px 4px 4px rgb(0, 170, 68)  
}
```


Background

The CSS property to change the background color of an element to Yxy 29.1668, 0.2810, 0.5316 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 170, 68) }
```

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

```
.background{ background-color: rgb(0, 170,  
68) }
```

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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