

Converting Colors

$Y_{xy}(29.0536, 0.2541, 0.4868)$

Have a look what the booklet for
Yxy(29.0536, 0.2541, 0.4868)
contains.

Yxy(29.5576, 0.2671, 0.4815) 3

Conversions 4

Details 6

Harmonies 12

Previews 24

Color Blindness Simulation 27

CSS Examples 30

Color

$\text{Yxy}(29.5576, 0.2671, 0.4815)$

Conversions

Conversions Part 1	
Format	Color
Hex	00AA5E
RGB	0, 170, 94
RGB Percent	0%, 67%, 37%
CMY	0.9996, 0.3333, 0.6313
CMYK	1.00, 0.00, 0.45, 0.33
HSL	153°, 100%, 33%
HSV	153°, 100%, 67%
XYZ	16.3963, 29.5576, 15.4326
YIQ	110.5060, -76.9240, -59.6760

Conversions

Conversions Part 2

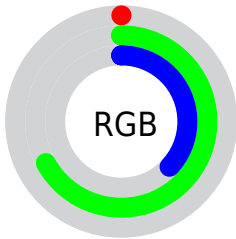
Format	Color
RYB	0, 109, 170
Decimal	43614
CIELab	61.27, -54.72, 28.95
CIELCh	61, 61.910, 152.122
Yxy	29.5576, 0.2671, 0.4815
Android (android.graphics.Color)	4278233694 (0xFF00AA5E)
YUV	110.5060, -8.1375, -96.9138
Hunter-Lab	54.3669, -41.3089, 21.2268

Details

The Yxy color **29.5576, 0.2671, 0.4815** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **9.0717, 0.5166, 0.2620**, and the grayscale version is **15.7970, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.7124, 0.2790, 0.4461**, and **12.6880, 0.2795, 0.5264** is the 20% darker color. If you saturate the color by 10%, you get **29.5572, 0.2671, 0.4816**, and if you desaturate by 10%, it is **29.8216, 0.2648, 0.4649**.

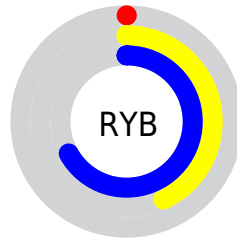
Distribution



Red (0%)

Green (67%)

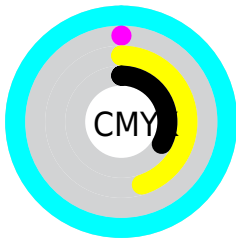
Blue (37%)



Red (0%)

Yellow (43%)

Blue (67%)

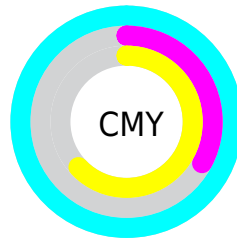


Cyan (100%)

Magenta (0%)

Yellow (45%)

Black (33%)



Cyan (100%)


Magenta (33%)

Yellow (63%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 29.5576, 0.2671, 0.4815 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 29.5576, 0.2671, 0.4815 by changing the saturation by 10% instead.

 29.5576, 0.2671,
0.4815


 29.5576, 0.2671,
0.4815


 299.8368, 0.2950,
0.3933

 19.5030, 0.2579,
0.5082


 58.9618, 0.2787,
0.4461


 12.0343, 0.2445,
0.5457


 79.0803, 0.2826,
0.4339

 6.7671, 0.2235,
0.6010


 103.3222, 0.2857,
0.4239

 3.3168, 0.1898,
0.6967

 132.0719, 0.2883,
0.4157

 1.2993, 0.0000,
1.0000

 165.7138, 0.2904,
0.4087

 0.1407, 0.0000,
1.0000

 204.6324, 0.2921,

 0.0000, 0.0000,

0.4028

0.0000


249.2119, 0.2937,
0.3977

 29.5576, 0.2671,
0.4815


 29.5576, 0.2671,
0.4815


 29.5572, 0.2671,
0.4816


 29.8216, 0.2648,
0.4649


 30.2005, 0.2641,
0.4479


 30.7366, 0.2654,
0.4305


 31.4487, 0.2685,
0.4133

 32.3530, 0.2734,
0.3967

 33.4637, 0.2797,
0.3808

 34.7936, 0.2870,
0.3660

 36.3545, 0.2952,
0.3524

 38.1574, 0.3038,
0.3401

Harmonies

Analogous

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



29.5576, 0.3588, 0.5159



29.5576, 0.2671, 0.4815



29.5576, 0.1930, 0.3761

Triad

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



29.5576, 0.2671, 0.4815



29.5576, 0.1800, 0.1855



29.5576, 0.5015, 0.3403

Complementary

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



29.5576, 0.2671, 0.4815



9.0717, 0.5166, 0.2620

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.



29.5576, 0.4380, 0.2764



29.5576, 0.2671, 0.4815



29.5576, 0.2422, 0.1920

Square

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



29.5576, 0.2671, 0.4815



29.5576, 0.1513, 0.2092



29.5576, 0.3360, 0.2240



29.5576, 0.4995, 0.4093

Rectangle

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



29.5576, 0.2671, 0.4815



29.5576, 0.1631, 0.3025



29.5576, 0.3360, 0.2240



29.5576, 0.4872, 0.3182

Sweetspot

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



29.5588, 0.2671, 0.4815



62.9700, 0.2865, 0.3669



30.3096, 0.3305, 0.5757



13.8134, 0.2834, 0.3729



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.



29.5588, 0.2671, 0.4815



53.5834, 0.2679, 0.4844



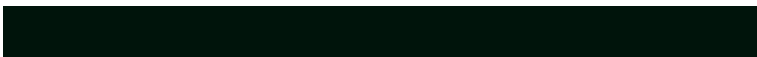
28.5701, 0.2204, 0.3135



8.4745, 0.3044, 0.3393



21.7538, 0.2666, 0.4798



0.5393, 0.2512, 0.4244

Inverse Universe

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



9.0717, 0.5166, 0.2620



16.4112, 0.5210, 0.2644



8.7332, 0.6360, 0.3331



7.5960, 0.3219, 0.3189



6.6817, 0.5142, 0.2606



0.1729, 0.4351, 0.2171

Previews

White Background



This preview shows how the Yxy color 29.5576, 0.2671, 0.4815 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 29.5576, 0.2671, 0.4815 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 29.5576, 0.2671, 0.4815

Background



This preview shows how black text looks on a background with the Yxy color 29.5576, 0.2671, 0.4815.



This preview shows how white text looks on a background with the Yxy color 29.5576, 0.2671, 0.4815.

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

29.5576, 0.2671, 0.4815

Protanopia

29.1004, 0.3898, 0.4238

Deuteranopia

29.1033, 0.3939, 0.3879



Tritanopia

29.6025, 0.2322, 0.3064

Trichromacy



Original Color

29.5576, 0.2671, 0.4815



Protanomaly

26.9721, 0.3194, 0.4543



Deuteranomaly

26.7178, 0.3205, 0.4284



Tritanomaly

29.0464, 0.2417, 0.3645

Monochromacy



Original Color

29.5576, 0.2671, 0.4815



Achromatopsia

15.8961, 0.3127, 0.3290



Achromatomaly

18.8620, 0.2759, 0.3884

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.5576, 0.2671, 0.4815 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, 94)` looks like.

```
.text, #text, p{  
    color:rgb(0, 170, 94)  
}
```

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, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 170, 94) }
```

Border

The CSS property to change the border of an element to Yxy 29.5576, 0.2671, 0.4815 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, 94) }
```

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

```
.border{ border-color:rgb(0, 170, 94) }
```

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, 94)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 170, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 170, 94);  
box-shadow:4px 4px 4px 4px rgb(0, 170, 94)  
}
```


Background

The CSS property to change the background color of an element to Yxy 29.5576, 0.2671, 0.4815 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, 94) }
```

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

```
.background{ background-color: rgb(0, 170,  
94) }
```

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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