

Converting Colors

$Yxy(27.2439, 0.2633, 0.5813)$

Have a look what the booklet for
Yxy(27.2439, 0.2633, 0.5813)
contains.

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Color

$Y_{xy}(28.5812, 0.2899, 0.5636)$

Conversions

Conversions Part 1

Format	Color
Hex	00A92F
RGB	0, 169, 47
RGB Percent	0%, 66%, 18%
CMY	0.9997, 0.3372, 0.8157
CMYK	1.00, 0.00, 0.72, 0.34
HSL	137°, 100%, 33%
HSV	137°, 100%, 66%
XYZ	14.7014, 28.5812, 7.4293
YIQ	104.5610, -61.5620, -73.7700

Conversions

Conversions Part 2

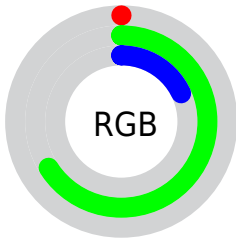
Format	Color
RYB	0, 132, 169
Decimal	43311
CIELab	60.41, -60.96, 50.02
CIELCh	60, 78.851, 140.631
Yxy	28.5812, 0.2899, 0.5636
Android (android.graphics.Color)	4278233391 (0xFF00A92F)
YUV	104.5610, -28.3776, -91.7000
Hunter-Lab	53.4614, -44.4717, 29.1837

Details

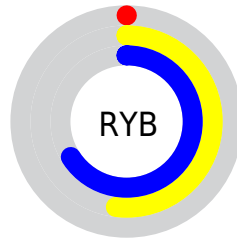
The Yxy color **28.5812, 0.2899, 0.5636** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **9.8439, 0.4056, 0.2008**, and the grayscale version is **14.0977, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.6400, 0.3009, 0.5099**, and **12.2615, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **28.5816, 0.2899, 0.5637**, and if you desaturate by 10%, it is **28.8135, 0.2873, 0.5442**.

Distribution



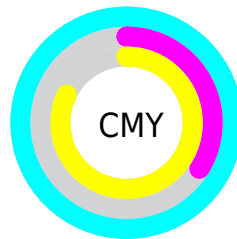
- Red (0%)
- Green (66%)
- Blue (18%)



- Red (0%)
- Yellow (52%)
- Blue (66%)



- Cyan (100%)
- Magenta (0%)
- Yellow (72%)
- Black (34%)




- Cyan (100%)
- Magenta (34%)
- Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.5812, 0.2899, 0.5636 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 28.5812, 0.2899, 0.5636 by changing the saturation by 10% instead.


 28.5812, 0.2899,
0.5636


 28.5812, 0.2899,
0.5636


295.2338, 0.3110,
0.4272

 18.7642, 0.2795,
0.6032


 57.4110, 0.3009,
0.5095


 11.5000, 0.2623,
0.6559


 77.1927, 0.3039,
0.4905

 6.4042, 0.2374,
0.7430


 101.0647, 0.3061,
0.4750

 3.0924, 0.1758,
0.8242

 129.4114, 0.3077,
0.4621

 1.1802, 0.0000,
1.0000

 162.6173, 0.3089,
0.4513

 0.0454, 0.0000,
1.0000

 201.0667, 0.3098,

 0.0000, 0.0000,

0.4421

0.0000

245.1441, 0.3105,
0.4341

■ 28.5812, 0.2899,
0.5636

■ 28.5812, 0.2899,
0.5636

■ 28.5816, 0.2899,
0.5637

■ 28.8135, 0.2873,
0.5442

■ 29.1747, 0.2857,
0.5211

■ 29.7085, 0.2856,
0.4954

■ 30.4349, 0.2870,
0.4682

■ 31.3710, 0.2896,
0.4410

■ 32.5321, 0.2933,
0.4147

■ 33.9319, 0.2977,
0.3900

■ 35.5831, 0.3026,
0.3674

■ 37.4974, 0.3076,
0.3470

Harmonies

Analogous

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



28.5812, 0.4004, 0.5488



28.5812, 0.2899, 0.5636



28.5812, 0.1904, 0.4496

Triad

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



28.5812, 0.2899, 0.5636



28.5812, 0.1355, 0.1606



28.5812, 0.5318, 0.3050

Complementary

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



28.5812, 0.2899, 0.5636



9.8439, 0.4056, 0.2008

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.



28.5812, 0.4240, 0.2361



28.5812, 0.2899, 0.5636



28.5812, 0.1909, 0.1576

Square

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



28.5812, 0.2899, 0.5636



28.5812, 0.1163, 0.2005



28.5812, 0.2907, 0.1838



28.5812, 0.5541, 0.3815

Rectangle

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



28.5812, 0.2899, 0.5636



28.5812, 0.1458, 0.3430



28.5812, 0.2907, 0.1838



28.5812, 0.5035, 0.2810

Sweetspot

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



28.5824, 0.2899, 0.5636



60.6120, 0.2975, 0.3914



32.6585, 0.3732, 0.5418



12.9813, 0.2956, 0.4011



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



28.5824, 0.2899, 0.5636



51.1557, 0.2907, 0.5665



29.9778, 0.2459, 0.4053



8.4407, 0.3080, 0.3457



21.3091, 0.2894, 0.5619



0.5270, 0.2708, 0.4950

Inverse Universe

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



9.8439, 0.4056, 0.2008



17.5888, 0.4075, 0.2018



8.5864, 0.5965, 0.3060



7.6305, 0.3178, 0.3128



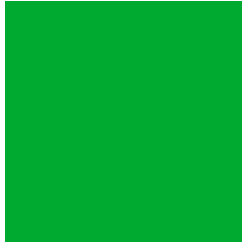
7.3444, 0.4046, 0.2002



0.1867, 0.3715, 0.1820

Previews

White Background



This preview shows how the Yxy color 28.5812, 0.2899, 0.5636 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 28.5812, 0.2899, 0.5636 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

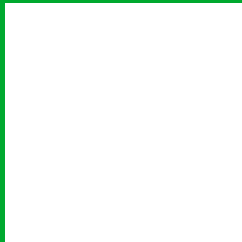
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 28.5812, 0.2899, 0.5636

Background



This preview shows how black text looks on a background with the Yxy color 28.5812, 0.2899, 0.5636.



This preview shows how white text looks on a background with the Yxy color 28.5812, 0.2899, 0.5636.

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

28.5812, 0.2899, 0.5636

Protanopia

28.0923, 0.4259, 0.4706

Deuteranopia

28.1960, 0.4418, 0.4340



Tritanopia

28.6212, 0.2360, 0.3079

Trichromacy



Original Color

28.5812, 0.2899, 0.5636



Protanomaly

26.1692, 0.3506, 0.5217



Deuteranomaly

25.4156, 0.3596, 0.4938



Tritanomaly

27.8568, 0.2546, 0.4016

Monochromacy



Original Color

28.5812, 0.2899, 0.5636



Achromatopsia

14.1263, 0.3127, 0.3290



Achromatomaly

17.2717, 0.2908, 0.4316

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.5812, 0.2899, 0.5636 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, 169, 47)` looks like.

```
.text, #text, p{  
    color:rgb(0, 169, 47)  
}
```

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, 169, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 169, 47) }
```

Border

The CSS property to change the border of an element to Yxy 28.5812, 0.2899, 0.5636 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, 169, 47) }
```

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

```
.border{ border-color:rgb(0, 169, 47) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 169, 47)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 169, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 169, 47);  
box-shadow:4px 4px 4px 4px rgb(0, 169, 47)  
}
```


Background

The CSS property to change the background color of an element to Yxy 28.5812, 0.2899, 0.5636 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 169, 47) }
```

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

```
.background{ background-color: rgb(0, 169,  
47) }
```

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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