

Converting Colors

$Yxy(28.7323, 0.2870, 0.5423)$

Have a look what the booklet for
Yxy(28.7323, 0.2870, 0.5423)
contains.

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Color

Yxy(28.8308, 0.2871, 0.5428)

Conversions

Conversions Part 1

Format	Color
Hex	12A93C
RGB	18, 169, 60
RGB Percent	7%, 66%, 24%
CMY	0.9304, 0.3372, 0.7647
CMYK	0.90, 0.00, 0.65, 0.34
HSL	137°, 81%, 37%
HSV	137°, 90%, 66%
XYZ	15.2493, 28.8308, 9.0349
YIQ	111.4250, -55.0070, -65.9110

Conversions

Conversions Part 2

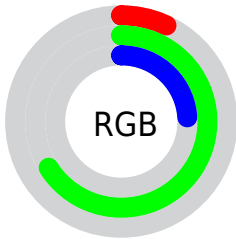
Format	Color
RYB	18, 136, 169
Decimal	1222972
CIELab	60.63, -58.62, 44.89
CIElCh	61, 73.834, 142.556
Yxy	28.8308, 0.2871, 0.5428
Android (android.graphics.Color)	4279413052 (0xFF12A93C)
YUV	111.4250, -25.3525, -81.9337
Hunter-Lab	53.6943, -43.2707, 27.6096

Details

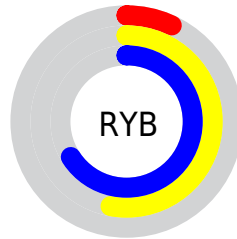
The Yxy color **28.8308, 0.2871, 0.5428** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **10.3866, 0.3944, 0.2009**, and the grayscale version is **16.0917, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.1040, 0.2974, 0.4930**, and **12.2615, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **28.5970, 0.2897, 0.5624**, and if you desaturate by 10%, it is **29.2010, 0.2855, 0.5196**.

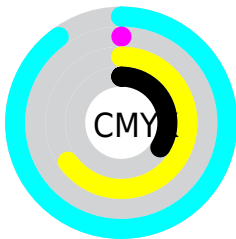
Distribution



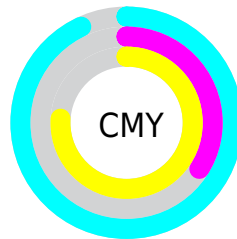
- Red (7%)
- Green (66%)
- Blue (24%)



- Red (7%)
- Yellow (53%)
- Blue (66%)



- Cyan (90%)
- Magenta (0%)
- Yellow (65%)
- Black (34%)





- Cyan (93%)
- Magenta (34%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.8308, 0.2871, 0.5428 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 28.8308, 0.2871, 0.5428 by changing the saturation by 10% instead.

 28.8308, 0.2871,
0.5428


 28.8308, 0.2871,
0.5428


296.4158, 0.3080,
0.4184

 18.9529, 0.2777,
0.5796


 57.8082, 0.2974,
0.4932


 11.6362, 0.2625,
0.6295


 77.6764, 0.3004,
0.4759


 6.4965, 0.2374,
0.7027


 101.6434, 0.3026,
0.4618

 3.1493, 0.1903,
0.8097

 130.0938, 0.3042,
0.4501

 1.2101, 0.0000,
1.0000

 163.4118, 0.3055,
0.4403

 0.0700, 0.0000,
1.0000

 201.9819, 0.3065,

 0.0000, 0.0000,

0.4319

0.0000

246.1884, 0.3073,
0.4247

■ 28.8308, 0.2871,
0.5428

■ 28.8308, 0.2871,
0.5428

■ 28.5970, 0.2897,
0.5624

■ 29.2010, 0.2855,
0.5196

■ 28.5865, 0.2898,
0.5633

■ 29.7434, 0.2855,
0.4938

■ 30.4792, 0.2869,
0.4667

■ 31.4254, 0.2897,
0.4395

■ 32.5970, 0.2934,
0.4133

■ 34.0079, 0.2979,
0.3888

■ 35.6706, 0.3028,
0.3663

■ 37.5967, 0.3079,
0.3461

■ 39.7974, 0.3130,
0.3282

Harmonies

Analogous

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



28.8308, 0.3927, 0.5406



28.8308, 0.2871, 0.5428



28.8308, 0.1934, 0.4315

Triad

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



28.8308, 0.2871, 0.5428



28.8308, 0.1461, 0.1679



28.8308, 0.5220, 0.3128

Complementary

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



28.8308, 0.2871, 0.5428



10.3866, 0.3944, 0.2009

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.



28.8308, 0.4252, 0.2454



28.8308, 0.2871, 0.5428



28.8308, 0.2024, 0.1664

Square

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



28.8308, 0.2871, 0.5428



28.8308, 0.1254, 0.2045



28.8308, 0.3001, 0.1934



28.8308, 0.5398, 0.3875

Rectangle

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



28.8308, 0.2871, 0.5428



28.8308, 0.1519, 0.3344



28.8308, 0.3001, 0.1934



28.8308, 0.4971, 0.2893

Sweetspot

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



28.8320, 0.2871, 0.5428



61.4619, 0.2988, 0.3841



33.0640, 0.3753, 0.5326



13.2005, 0.2973, 0.3917



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.



28.8320, 0.2871, 0.5428



51.1593, 0.2906, 0.5662



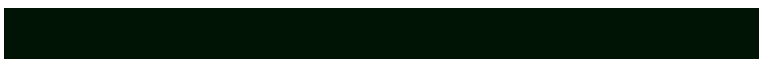
30.2191, 0.2455, 0.3964



8.4409, 0.3080, 0.3457



21.3107, 0.2893, 0.5615



0.5270, 0.2707, 0.4946

Inverse Universe

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



10.3866, 0.3944, 0.2009



17.5770, 0.4080, 0.2022



9.1179, 0.5634, 0.2983



7.6303, 0.3178, 0.3129



7.3395, 0.4051, 0.2005



0.1866, 0.3718, 0.1822

Previews

White Background



This preview shows how the Yxy color 28.8308, 0.2871, 0.5428 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 28.8308, 0.2871, 0.5428 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 28.8308, 0.2871, 0.5428

Background



This preview shows how black text looks on a background with the Yxy color 28.8308, 0.2871, 0.5428.



This preview shows how white text looks on a background with the Yxy color 28.8308, 0.2871, 0.5428.

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

28.8308, 0.2871, 0.5428

Protanopia

28.1892, 0.4186, 0.4598

Deuteranopia

28.2029, 0.4315, 0.4228



Tritanopia

28.6961, 0.2359, 0.3063

Trichromacy



Original Color

28.8308, 0.2871, 0.5428



Protanomaly

26.7117, 0.3507, 0.5009



Deuteranomaly

25.8813, 0.3575, 0.4751



Tritanomaly

28.1832, 0.2535, 0.3887

Monochromacy



Original Color

28.8308, 0.2871, 0.5428



Achromatopsia

15.8961, 0.3127, 0.3290



Achromatomaly

18.8530, 0.2932, 0.4174

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.8308, 0.2871, 0.5428 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(18, 169, 60)` looks like.

```
.text, #text, p{  
    color:rgb(18, 169, 60)  
}
```

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(18, 169, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(18, 169, 60) }
```

Border

The CSS property to change the border of an element to Yxy 28.8308, 0.2871, 0.5428 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(18, 169, 60) }
```

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

```
.border{ border-color:rgb(18, 169, 60) }
```

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

Here you see how a box with a 4 pixel `rgb(18, 169, 60)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(18, 169, 60); -webkit-box-  
shadow:4px 4px 4px 4px rgb(18, 169, 60);  
box-shadow:4px 4px 4px 4px rgb(18, 169,  
60) }
```


Background

The CSS property to change the background color of an element to Yxy 28.8308, 0.2871, 0.5428 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(18, 169, 60) }
```

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

```
.background{ background-color: rgb(18, 169,  
60) }
```

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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