

Converting Colors

$Yxy(28.9416, 0.2908, 0.5449)$

Have a look what the booklet for
Yxy(28.9416, 0.2908, 0.5449)
contains.

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Color

Yxy(28.9426, 0.2907, 0.5443)

Conversions

Conversions Part 1

Format	Color
Hex	1DA93A
RGB	29, 169, 58
RGB Percent	11%, 66%, 23%
CMY	0.8864, 0.3372, 0.7726
CMYK	0.83, 0.00, 0.66, 0.34
HSL	132°, 71%, 39%
HSV	132°, 83%, 66%
XYZ	15.4577, 28.9426, 8.7737
YIQ	114.4860, -47.8090, -64.2010

Conversions

Conversions Part 2

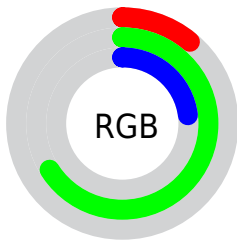
Format	Color
R_{YB}	29, 145, 169
Decimal	1943866
CIE _{Lab}	60.73, -57.81, 45.91
CIE _{LCh}	61, 73.826, 141.547
Y _{xy}	28.9426, 0.2907, 0.5443
Android (android.graphics.Color)	4280133946 (0xFF1DA93A)
YUV	114.4860, -27.8476, -74.9712
Hunter-Lab	53.7983, -42.8593, 27.9895

Details

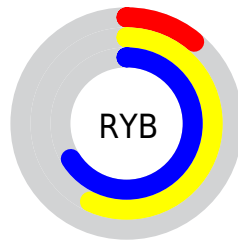
The Yxy color **28.9426, 0.2907, 0.5443** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **11.2060, 0.3676, 0.1913**, and the grayscale version is **17.0756, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.7429, 0.3003, 0.4940**, and **12.2615, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **28.6426, 0.2924, 0.5656**, and if you desaturate by 10%, it is **29.4155, 0.2902, 0.5187**.

Distribution



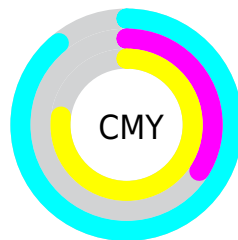
- Red (11%)
- Green (66%)
- Blue (23%)



- Red (11%)
- Yellow (57%)
- Blue (66%)



- Cyan (83%)
- Magenta (0%)
- Yellow (66%)
- Black (34%)




- Cyan (89%)
- Magenta (34%)
- Yellow (77%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 28.9426, 0.2907, 0.5443 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 28.9426, 0.2907, 0.5443 by changing the saturation by 10% instead.

 28.9426, 0.2907,
0.5443


 28.9426, 0.2907,
0.5443


296.9440, 0.3099,
0.4193

 19.0374, 0.2817,
0.5810


 57.9859, 0.3004,
0.4946


 11.6973, 0.2668,
0.6306


 77.8927, 0.3032,
0.4772


 6.5379, 0.2426,
0.7042


 101.9023, 0.3051,
0.4630

 3.1748, 0.1952,
0.8048

 130.3989, 0.3066,
0.4512

 1.2237, 0.0000,
1.0000

 163.7670, 0.3077,
0.4413

 0.0809, 0.0000,
1.0000

 202.3910, 0.3086,

 0.0000, 0.0000,

0.4329

0.0000

246.6552, 0.3093,
0.4256

■ 28.9426, 0.2907,
0.5443

■ 28.9426, 0.2907,
0.5443

■ 28.6426, 0.2924,
0.5656

■ 29.4155, 0.2902,
0.5187

■ 28.4990, 0.2938,
0.5778

■ 30.0795, 0.2910,
0.4903

■ 30.9544, 0.2930,
0.4608

■ 32.0564, 0.2959,
0.4316

■ 33.4003, 0.2994,
0.4039

■ 34.9994, 0.3033,
0.3782

■ 36.8662, 0.3074,
0.3551

■ 39.0123, 0.3116,
0.3344

■ 41.4485, 0.3156,
0.3163

Harmonies

Analogous

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



28.9426, 0.3961, 0.5387



28.9426, 0.2907, 0.5443



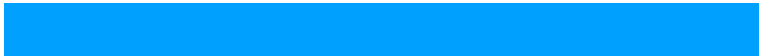
28.9426, 0.1962, 0.4363

Triad

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



28.9426, 0.2907, 0.5443



28.9426, 0.1450, 0.1686



28.9426, 0.5197, 0.3105

Complementary

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



28.9426, 0.2907, 0.5443



11.2060, 0.3676, 0.1913

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.



28.9426, 0.4209, 0.2434



28.9426, 0.2907, 0.5443



28.9426, 0.2000, 0.1661

Square

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



28.9426, 0.2907, 0.5443



28.9426, 0.1255, 0.2067



28.9426, 0.2962, 0.1922



28.9426, 0.5403, 0.3849

Rectangle

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



28.9426, 0.2907, 0.5443



28.9426, 0.1537, 0.3391



28.9426, 0.2962, 0.1922



28.9426, 0.4939, 0.2871

Sweetspot

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



28.9438, 0.2907, 0.5443



61.8910, 0.3023, 0.3847



34.1287, 0.3852, 0.5176



13.2775, 0.3010, 0.3932



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.



28.9438, 0.2907, 0.5443



51.0406, 0.2943, 0.5788



30.1705, 0.2516, 0.4098



8.4322, 0.3089, 0.3474



21.2455, 0.2934, 0.5763



0.5238, 0.2771, 0.5176

Inverse Universe

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



11.2060, 0.3676, 0.1913



18.2222, 0.3815, 0.1879



9.7678, 0.5184, 0.2823



7.6396, 0.3168, 0.3113



7.5768, 0.3802, 0.1868



0.1909, 0.3574, 0.1742

Previews

White Background



This preview shows how the Yxy color 28.9426, 0.2907, 0.5443 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 28.9426, 0.2907, 0.5443 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 28.9426, 0.2907, 0.5443

Background



This preview shows how black text looks on a background with the Yxy color 28.9426, 0.2907, 0.5443.



This preview shows how white text looks on a background with the Yxy color 28.9426, 0.2907, 0.5443.

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

28.9426, 0.2907, 0.5443

Protanopia

28.4782, 0.4190, 0.4629

Deuteranopia

28.2976, 0.4344, 0.4245



Tritanopia

28.8105, 0.2374, 0.3063

Trichromacy



Original Color

28.9426, 0.2907, 0.5443



Protanomaly

26.9550, 0.3562, 0.5010



Deuteranomaly

26.2250, 0.3646, 0.4750



Tritanomaly

28.3222, 0.2568, 0.3903

Monochromacy



Original Color

28.9426, 0.2907, 0.5443



Achromatopsia

16.8269, 0.3127, 0.3290



Achromatomaly

19.6973, 0.2974, 0.4150

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.9426, 0.2907, 0.5443 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(29, 169, 58)` looks like.

```
.text, #text, p{  
    color:rgb(29, 169, 58)  
}
```

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(29, 169, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(29, 169, 58) }
```

Border

The CSS property to change the border of an element to Yxy 28.9426, 0.2907, 0.5443 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(29, 169, 58) }
```

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

```
.border{ border-color:rgb(29, 169, 58) }
```

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

Here you see how a box with a 4 pixel `rgb(29, 169, 58)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(29, 169, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(29, 169, 58);  
box-shadow:4px 4px 4px 4px rgb(29, 169,  
58) }
```


Background

The CSS property to change the background color of an element to Yxy 28.9426, 0.2907, 0.5443 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(29, 169, 58) }
```

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

```
.background{ background-color: rgb(29, 169,  
58) }
```

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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