

Converting Colors

$Yxy(27.0632, 0.2749, 0.5136)$

Have a look what the booklet for
Yxy(27.0632, 0.2749, 0.5136)
contains.

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Color

Yxy(27.0589, 0.2759, 0.5133)

Conversions

Conversions Part 1

Format	Color
Hex	00A44B
RGB	0, 164, 75
RGB Percent	0%, 64%, 29%
CMY	1.0000, 0.3568, 0.7059
CMYK	1.00, 0.00, 0.54, 0.36
HSL	147°, 100%, 32%
HSV	147°, 100%, 64%
XYZ	14.5442, 27.0589, 11.1124
YIQ	104.8180, -69.1750, -62.4470

Conversions

Conversions Part 2

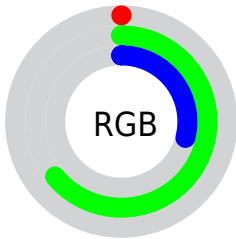
Format	Color
RYB	0, 113, 164
Decimal	42059
CIELab	59.03, -55.96, 35.90
CIELCh	59, 66.486, 147.323
Yxy	27.0589, 0.2759, 0.5133
Android (android.graphics.Color)	4278232139 (0xFF00A44B)
YUV	104.8180, -14.7003, -91.9254
Hunter-Lab	52.0182, -41.1234, 23.7468

Details

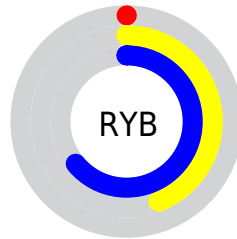
The Yxy color **27.0589, 0.2759, 0.5133** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **8.6144, 0.4762, 0.2397**, and the grayscale version is **14.1300, 0.3127, 0.3290**.

A 20% lighter version of the original color is **54.8664, 0.2870, 0.4689**, and **11.4435, 0.2908, 0.5668** is the 20% darker color. If you saturate the color by 10%, you get **27.0608, 0.2759, 0.5133**, and if you desaturate by 10%, it is **27.3050, 0.2732, 0.4943**.

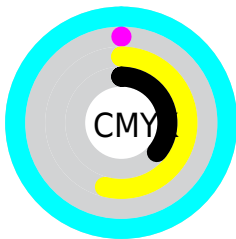
Distribution



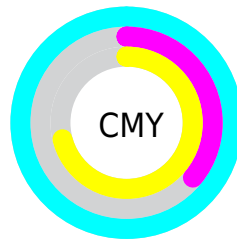
- Red (0%)
- Green (64%)
- Blue (29%)



- Red (0%)
- Yellow (44%)
- Blue (64%)



- Cyan (100%)
- Magenta (0%)
- Yellow (54%)
- Black (36%)





- Cyan (100%)
- Magenta (36%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.0589, 0.2759, 0.5133 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 27.0589, 0.2759, 0.5133 by changing the saturation by 10% instead.


 27.0589, 0.2759,
0.5133


 27.0589, 0.2759,
0.5133


287.9422, 0.3010,
0.4049


 17.6175, 0.2664,
0.5466


 54.9784, 0.2872,
0.4694

 10.6757, 0.2515,
0.5933


 74.2252, 0.2907,
0.4543


 5.8492, 0.2266,
0.6615

 97.5093, 0.2934,
0.4421

 2.7536, 0.1877,
0.8123

 125.2150, 0.2956,
0.4321

 1.0045, 0.0000,
1.0000

 157.7267, 0.2973,
0.4236

 0.0000, 0.0000,
0.0000

 195.4289, 0.2987,

0.4164

238.7059, 0.2999,
0.4102

■ 27.0589, 0.2759,
0.5133

■ 27.0589, 0.2759,
0.5133

■ 27.0608, 0.2759,
0.5133

■ 27.3050, 0.2732,
0.4943

■ 27.6596, 0.2719,
0.4741

■ 28.1642, 0.2726,
0.4533

■ 28.8362, 0.2750,
0.4323

■ 29.6907, 0.2790,
0.4119

■ 30.7411, 0.2844,
0.3924

■ 31.9992, 0.2907,
0.3742

■ 33.4761, 0.2977,
0.3576

■ 35.1819, 0.3051,
0.3425

Harmonies

Analogous

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



27.0589, 0.3754, 0.5317



27.0589, 0.2759, 0.5133



27.0589, 0.1916, 0.4017

Triad

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



27.0589, 0.2759, 0.5133



27.0589, 0.1621, 0.1755



27.0589, 0.5141, 0.3270

Complementary

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



27.0589, 0.2759, 0.5133



8.6144, 0.4762, 0.2397

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.



27.0589, 0.4342, 0.2608



27.0589, 0.2759, 0.5133



27.0589, 0.2220, 0.1782

Square

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



27.0589, 0.2759, 0.5133



27.0589, 0.1371, 0.2054



27.0589, 0.3193, 0.2082



27.0589, 0.5209, 0.3996

Rectangle

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



27.0589, 0.2759, 0.5133



27.0589, 0.1560, 0.3162



27.0589, 0.3193, 0.2082



27.0589, 0.4948, 0.3041

Sweetspot

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



27.0608, 0.2759, 0.5133



57.9407, 0.2903, 0.3752



28.7366, 0.3442, 0.5649



12.4596, 0.2877, 0.3823



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



27.0608, 0.2759, 0.5133



49.0754, 0.2768, 0.5166



28.9465, 0.2289, 0.3440



7.9464, 0.3057, 0.3415



20.7568, 0.2754, 0.5115



0.4457, 0.2558, 0.4408

Inverse Universe

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



8.6144, 0.4762, 0.2397



15.5929, 0.4798, 0.2417



7.9110, 0.6340, 0.3266



7.1472, 0.3204, 0.3169



6.6144, 0.4743, 0.2386



0.1484, 0.4055, 0.2008

Previews

White Background



This preview shows how the Yxy color 27.0589, 0.2759, 0.5133 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 27.0589, 0.2759, 0.5133 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 27.0589, 0.2759, 0.5133

Background



This preview shows how black text looks on a background with the Yxy color 27.0589, 0.2759, 0.5133.



This preview shows how white text looks on a background with the Yxy color 27.0589, 0.2759, 0.5133.

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

27.0589, 0.2759, 0.5133

Protanopia

26.5350, 0.4038, 0.4413

Deuteranopia

26.7231, 0.4135, 0.4057



Tritanopia

26.9912, 0.2338, 0.3056

Trichromacy



Original Color

27.0589, 0.2759, 0.5133



Protanomaly

24.6025, 0.3310, 0.4782



Deuteranomaly

24.3882, 0.3354, 0.4536



Tritanomaly

26.6464, 0.2462, 0.3760

Monochromacy



Original Color

27.0589, 0.2759, 0.5133



Achromatopsia

14.1263, 0.3127, 0.3290



Achromatomaly

16.9232, 0.2812, 0.4034

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.0589, 0.2759, 0.5133 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, 164, 75)` looks like.

```
.text, #text, p{  
    color:rgb(0, 164, 75)  
}
```

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, 164, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 164, 75) }
```

Border

The CSS property to change the border of an element to Yxy 27.0589, 0.2759, 0.5133 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, 164, 75) }
```

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

```
.border{ border-color:rgb(0, 164, 75) }
```

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

Here you see how a box with a 4 pixel rgb(0, 164, 75) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 164, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 164, 75);  
box-shadow:4px 4px 4px 4px rgb(0, 164, 75)  
}
```


Background

The CSS property to change the background color of an element to Yxy 27.0589, 0.2759, 0.5133 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 164, 75) }
```

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

```
.background{ background-color: rgb(0, 164,  
75) }
```

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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