

Converting Colors

$Yxy(25.5335, 0.2405, 0.5328)$

Have a look what the booklet for
Yxy(25.5335, 0.2405, 0.5328)
contains.

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Color

Yxy(27.0453, 0.2765, 0.5152)

Conversions

Conversions Part 1

Format	Color
Hex	00A44A
RGB	0, 164, 74
RGB Percent	0%, 64%, 29%
CMY	0.9986, 0.3569, 0.7098
CMYK	1.00, 0.00, 0.55, 0.36
HSL	147°, 100%, 32%
HSV	147°, 100%, 64%
XYZ	14.5148, 27.0453, 10.9347
YIQ	104.7040, -68.8540, -62.7580

Conversions

Conversions Part 2

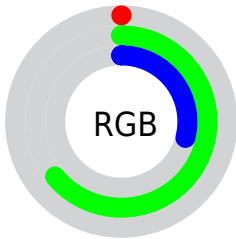
Format	Color
RYB	0, 113, 164
Decimal	42058
CIELab	59.02, -56.09, 36.37
CIElCh	59, 66.852, 147.036
Yxy	27.0453, 0.2765, 0.5152
Android (android.graphics.Color)	4278232138 (0xFF00A44A)
YUV	104.7040, -15.1371, -91.8254
Hunter-Lab	52.0051, -41.1890, 23.9372

Details

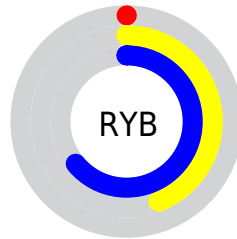
The Yxy color **27.0453, 0.2765, 0.5152** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **8.6437, 0.4727, 0.2379**, and the grayscale version is **14.1273, 0.3127, 0.3290**.

A 20% lighter version of the original color is **54.8407, 0.2875, 0.4704**, and **11.4391, 0.2913, 0.5686** is the 20% darker color. If you saturate the color by 10%, you get **27.0416, 0.2766, 0.5156**, and if you desaturate by 10%, it is **27.2914, 0.2738, 0.4960**.

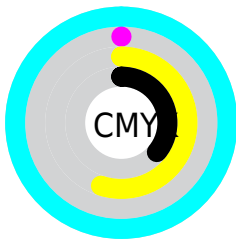
Distribution



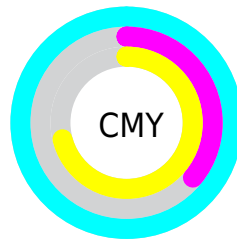
- Red (0%)
- Green (64%)
- Blue (29%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (55%)
- Black (36%)




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

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.0453, 0.2765, 0.5152 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 27.0453, 0.2765, 0.5152 by changing the saturation by 10% instead.


 27.0453, 0.2765,
0.5152


 27.0453, 0.2765,
0.5152


287.8764, 0.3013,
0.4056


 17.6072, 0.2669,
0.5489


 54.9566, 0.2877,
0.4709

 10.6684, 0.2521,
0.5959


 74.1985, 0.2912,
0.4556

 5.8443, 0.2269,
0.6645

 97.4773, 0.2939,
0.4433

 2.7506, 0.1868,
0.8132

 125.1772, 0.2960,
0.4331

 1.0030, 0.0000,
1.0000

 157.6827, 0.2977,
0.4246

 0.0000, 0.0000,
0.0000

 195.3781, 0.2992,

0.4173

238.6479, 0.3003,
0.4111

■ 27.0453, 0.2765,
0.5152

■ 27.0453, 0.2765,
0.5152

■ 27.0416, 0.2766,
0.5156

■ 27.2914, 0.2738,
0.4960

■ 27.6489, 0.2725,
0.4757

■ 28.1571, 0.2731,
0.4545

■ 28.8336, 0.2756,
0.4333

■ 29.6934, 0.2796,
0.4126

■ 30.7496, 0.2849,
0.3929

■ 32.0144, 0.2911,
0.3745

■ 33.4988, 0.2981,
0.3576

■ 35.2128, 0.3054,
0.3424

Harmonies

Analogous

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



27.0453, 0.3764, 0.5325



27.0453, 0.2765, 0.5152



27.0453, 0.1916, 0.4034

Triad

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



27.0453, 0.2765, 0.5152



27.0453, 0.1610, 0.1750



27.0453, 0.5148, 0.3262

Complementary

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



27.0453, 0.2765, 0.5152



8.6437, 0.4727, 0.2379

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.



27.0453, 0.4338, 0.2599



27.0453, 0.2765, 0.5152



27.0453, 0.2208, 0.1774

Square

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



27.0453, 0.2765, 0.5152



27.0453, 0.1364, 0.2052



27.0453, 0.3183, 0.2072



27.0453, 0.5221, 0.3990

Rectangle

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



27.0453, 0.2765, 0.5152



27.0453, 0.1557, 0.3172



27.0453, 0.3183, 0.2072



27.0453, 0.4951, 0.3032

Sweetspot

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



27.0464, 0.2765, 0.5152



57.9219, 0.2906, 0.3759



28.7419, 0.3443, 0.5646



12.4551, 0.2881, 0.3831



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.



27.0464, 0.2765, 0.5152



49.0466, 0.2775, 0.5189



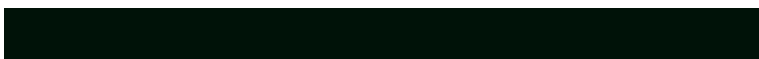
28.9459, 0.2289, 0.3440



7.9456, 0.3058, 0.3416



20.7445, 0.2761, 0.5138



0.4454, 0.2563, 0.4426

Inverse Universe

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



8.6437, 0.4727, 0.2379



15.6292, 0.4767, 0.2400



7.9184, 0.6336, 0.3266



7.1481, 0.3203, 0.3167



6.6297, 0.4713, 0.2370



0.1487, 0.4039, 0.1999

Previews

White Background



This preview shows how the Yxy color 27.0453, 0.2765, 0.5152 looks on a white background.

Color Contrast Check

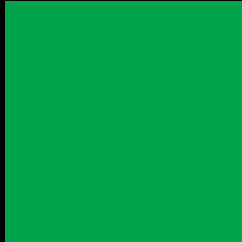
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.0453, 0.2765, 0.5152 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 27.0453, 0.2765, 0.5152

Background



This preview shows how black text looks on a background with the Yxy color 27.0453, 0.2765, 0.5152.



This preview shows how white text looks on a background with the Yxy color 27.0453, 0.2765, 0.5152.

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

27.0453, 0.2765, 0.5152

Protanopia

26.5229, 0.4047, 0.4426

Deuteranopia

26.7078, 0.4146, 0.4071



Tritanopia

26.9912, 0.2338, 0.3056

Trichromacy



Original Color

27.0453, 0.2765, 0.5152



Protanomaly

24.5897, 0.3318, 0.4800



Deuteranomaly

24.4373, 0.3373, 0.4549



Tritanomaly

26.6186, 0.2468, 0.3781

Monochromacy



Original Color

27.0453, 0.2765, 0.5152



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 27.0453, 0.2765, 0.5152 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, 74)` looks like.

```
.text, #text, p{  
    color:rgb(0, 164, 74)  
}
```

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, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 164, 74) }
```

Border

The CSS property to change the border of an element to Yxy 27.0453, 0.2765, 0.5152 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, 74) }
```

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

```
.border{ border-color:rgb(0, 164, 74) }
```

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, 74)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 164, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 164, 74);  
box-shadow:4px 4px 4px 4px rgb(0, 164, 74)  
}
```


Background

The CSS property to change the background color of an element to Yxy 27.0453, 0.2765, 0.5152 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, 74) }
```

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

```
.background{ background-color: rgb(0, 164,  
74) }
```

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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