

Converting Colors

$Yxy(25.4142, 0.2770, 0.5171)$

Have a look what the booklet for
Yxy(25.4142, 0.2770, 0.5171)
contains.

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Color

$\text{Yxy}(25.2512, 0.2768, 0.5163)$

Conversions

Conversions Part 1

Format	Color
Hex	009F47
RGB	0, 159, 71
RGB Percent	0%, 62%, 28%
CMY	0.9989, 0.3765, 0.7216
CMYK	1.00, 0.00, 0.55, 0.38
HSL	147°, 100%, 31%
HSV	147°, 100%, 62%
XYZ	13.5377, 25.2512, 10.1191
YIQ	101.4270, -66.5160, -61.0760

Conversions

Conversions Part 2

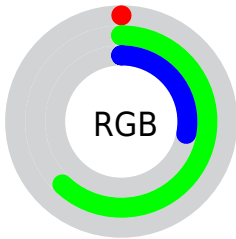
Format	Color
RYB	0, 110, 159
Decimal	40775
CIELab	57.32, -54.91, 35.82
CIELCh	57, 65.563, 146.883
Yxy	25.2512, 0.2768, 0.5163
Android (android.graphics.Color)	4278230855 (0xFF009F47)
YUV	101.4270, -15.0005, -88.9515
Hunter-Lab	50.2506, -39.8498, 23.2360

Details

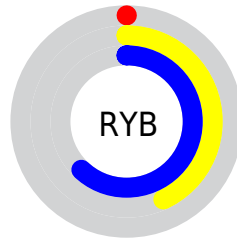
The Yxy color **25.2512, 0.2768, 0.5163** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **8.0867, 0.4704, 0.2366**, and the grayscale version is **13.2059, 0.3127, 0.3290**.

A 20% lighter version of the original color is **52.1299, 0.2881, 0.4703**, and **10.3660, 0.2920, 0.5713** is the 20% darker color. If you saturate the color by 10%, you get **25.2483, 0.2768, 0.5166**, and if you desaturate by 10%, it is **25.4837, 0.2742, 0.4971**.

Distribution



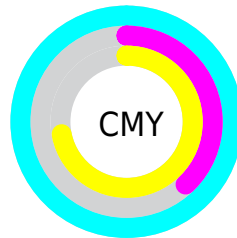
- Red (0%)
- Green (62%)
- Blue (28%)



- Red (0%)
- Yellow (43%)
- Blue (62%)



- Cyan (100%)
- Magenta (0%)
- Yellow (55%)
- Black (38%)





- Cyan (100%)
- Magenta (38%)
- Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 25.2512, 0.2768, 0.5163 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 25.2512, 0.2768, 0.5163 by changing the saturation by 10% instead.


 25.2512, 0.2768,
0.5163


 25.2512, 0.2768,
0.5163


279.0866, 0.3017,
0.4050

 16.2643, 0.2670,
0.5511


 52.0644, 0.2882,
0.4709


 9.7114, 0.2514,
0.6000


 70.6596, 0.2917,
0.4554


 5.2080, 0.2250,
0.6730

 93.2263, 0.2944,
0.4429

 2.3698, 0.1690,
0.8310

 120.1489, 0.2965,
0.4327

 0.8103, 0.0000,
1.0000

 151.8119, 0.2982,
0.4241

 0.0000, 0.0000,
0.0000

 188.5995, 0.2996,

0.4168

230.8963, 0.3008,
0.4105

■ 25.2512, 0.2768,
0.5163

■ 25.2512, 0.2768,
0.5163

■ 25.2483, 0.2768,
0.5166

■ 25.4837, 0.2742,
0.4971

■ 25.8191, 0.2729,
0.4766

■ 26.2950, 0.2735,
0.4553

■ 26.9279, 0.2759,
0.4340

■ 27.7315, 0.2799,
0.4131

■ 28.7181, 0.2851,
0.3933

■ 29.8989, 0.2914,
0.3748

■ 31.2841, 0.2982,
0.3578

■ 32.8832, 0.3054,
0.3425

Harmonies

Analogous

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



25.2512, 0.3770, 0.5330



25.2512, 0.2768, 0.5163



25.2512, 0.1916, 0.4044

Triad

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



25.2512, 0.2768, 0.5163



25.2512, 0.1604, 0.1746



25.2512, 0.5152, 0.3257

Complementary

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



25.2512, 0.2768, 0.5163



8.0867, 0.4704, 0.2366

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.



25.2512, 0.4336, 0.2594



25.2512, 0.2768, 0.5163



25.2512, 0.2201, 0.1770

Square

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



25.2512, 0.2768, 0.5163



25.2512, 0.1359, 0.2051



25.2512, 0.3177, 0.2067



25.2512, 0.5229, 0.3986

Rectangle

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



25.2512, 0.2768, 0.5163



25.2512, 0.1554, 0.3177



25.2512, 0.3177, 0.2067



25.2512, 0.4953, 0.3027

Sweetspot

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



25.2522, 0.2768, 0.5163



53.3758, 0.2909, 0.3762



26.9812, 0.3469, 0.5626



11.8370, 0.2883, 0.3834



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290

Same Dimension

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



25.2522, 0.2768, 0.5163



45.1807, 0.2778, 0.5200



26.9488, 0.2304, 0.3492



7.4477, 0.3059, 0.3417



19.9507, 0.2764, 0.5150



0.3651, 0.2552, 0.4386

Inverse Universe

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



8.0867, 0.4704, 0.2366



14.4280, 0.4743, 0.2386



7.4009, 0.6313, 0.3254



6.7046, 0.3202, 0.3167



6.3891, 0.4691, 0.2358



0.1227, 0.3972, 0.1962

Previews

White Background



This preview shows how the Yxy color 25.2512, 0.2768, 0.5163 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 25.2512, 0.2768, 0.5163 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 25.2512, 0.2768, 0.5163

Background



This preview shows how black text looks on a background with the Yxy color 25.2512, 0.2768, 0.5163.



This preview shows how white text looks on a background with the Yxy color 25.2512, 0.2768, 0.5163.

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

25.2512, 0.2768, 0.5163

Protanopia

24.9369, 0.4059, 0.4436

Deuteranopia

25.0126, 0.4150, 0.4076



Tritanopia

25.1277, 0.2337, 0.3049

Trichromacy



Original Color

25.2512, 0.2768, 0.5163



Protanomaly

23.1974, 0.3333, 0.4812



Deuteranomaly

22.6357, 0.3373, 0.4552



Tritanomaly

24.8186, 0.2468, 0.3775

Monochromacy



Original Color

25.2512, 0.2768, 0.5163



Achromatopsia

13.2868, 0.3127, 0.3290



Achromatomaly

16.0451, 0.2816, 0.4051

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.2512, 0.2768, 0.5163 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, 159, 71)` looks like.

```
.text, #text, p{  
    color:rgb(0, 159, 71)  
}
```

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, 159, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 159, 71) }
```

Border

The CSS property to change the border of an element to Yxy 25.2512, 0.2768, 0.5163 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, 159, 71) }
```

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

```
.border{ border-color:rgb(0, 159, 71) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 159, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 159, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 159, 71);  
box-shadow:4px 4px 4px 4px rgb(0, 159, 71)  
}
```


Background

The CSS property to change the background color of an element to Yxy 25.2512, 0.2768, 0.5163 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 159, 71) }
```

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

```
.background{ background-color: rgb(0, 159,  
71) }
```

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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