

Converting Colors

$Yxy(27.5071, 0.2909, 0.5412)$

Have a look what the booklet for
Yxy(27.5071, 0.2909, 0.5412)
contains.

Yxy(27.5071, 0.2909, 0.5412)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(27.5071, 0.2909, 0.5412)

Conversions

Conversions Part 1

Format	Color
Hex	1FA53A
RGB	31, 165, 58
RGB Percent	12%, 65%, 23%
CMY	0.8782, 0.3529, 0.7725
CMYK	0.81, 0.00, 0.65, 0.35
HSL	132°, 68%, 38%
HSV	132°, 81%, 65%
XYZ	14.7853, 27.5071, 8.5337
YIQ	112.7360, -45.5170, -61.6850

Conversions

Conversions Part 2

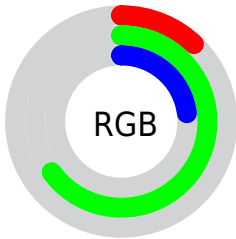
Format	Color
RYB	31, 143, 165
Decimal	2073914
CIELab	59.44, -56.27, 44.48
CIELCh	59, 71.727, 141.674
Yxy	27.5071, 0.2909, 0.5412
Android (android.graphics.Color)	4280263994 (0xFF1FA53A)
YUV	112.7360, -26.9848, -71.6825
Hunter-Lab	52.4472, -41.4619, 27.0659

Details

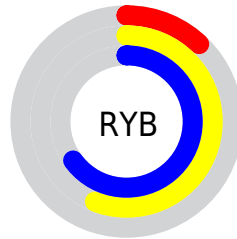
The Yxy color **27.5071, 0.2909, 0.5412** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **10.8189, 0.3647, 0.1915**, and the grayscale version is **16.5284, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.5837, 0.3008, 0.4920**, and **11.5883, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **27.1965, 0.2924, 0.5633**, and if you desaturate by 10%, it is **27.9855, 0.2907, 0.5150**.

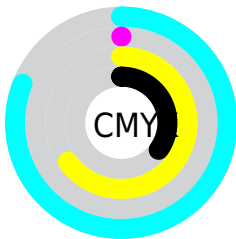
Distribution



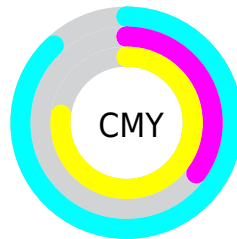
- Red (12%)
- Green (65%)
- Blue (23%)



- Red (12%)
- Yellow (56%)
- Blue (65%)



- Cyan (81%)
- Magenta (0%)
- Yellow (65%)
- Black (35%)





- Cyan (88%)
- Magenta (35%)
- Yellow (77%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 27.5071, 0.2909, 0.5412 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 27.5071, 0.2909, 0.5412 by changing the saturation by 10% instead.


 27.5071, 0.2909,
0.5412


 27.5071, 0.2909,
0.5412


290.1041, 0.3098,
0.4171


 17.9544, 0.2819,
0.5782


 55.6965, 0.3005,
0.4915


 10.9173, 0.2669,
0.6285


 75.1021, 0.3032,
0.4743

 6.0112, 0.2428,
0.7057

 98.5607, 0.3052,
0.4602

 2.8519, 0.1907,
0.8093

 126.4569, 0.3066,
0.4486

 1.0549, 0.0000,
1.0000

 159.1749, 0.3077,
0.4388

 0.0000, 0.0000,
0.0000

 197.0992, 0.3086,

0.4305

240.6141, 0.3093,
0.4233

■ 27.5071, 0.2909,
0.5412

■ 27.5071, 0.2909,
0.5412

■ 27.1965, 0.2924,
0.5633

■ 27.9855, 0.2907,
0.5150

■ 27.0214, 0.2941,
0.5786

■ 28.6483, 0.2917,
0.4862

■ 29.5137, 0.2938,
0.4565

■ 30.5968, 0.2968,
0.4274

■ 31.9113, 0.3003,
0.3998

■ 33.4696, 0.3042,
0.3744

■ 35.2835, 0.3082,
0.3515

■ 37.3637, 0.3122,
0.3312

■ 39.7205, 0.3162,
0.3134

Harmonies

Analogous

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



27.5071, 0.3954, 0.5368



27.5071, 0.2909, 0.5412



27.5071, 0.1972, 0.4343

Triad

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



27.5071, 0.2909, 0.5412



27.5071, 0.1466, 0.1700



27.5071, 0.5176, 0.3113

Complementary

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



27.5071, 0.2909, 0.5412



10.8189, 0.3647, 0.1915

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.



27.5071, 0.4202, 0.2445



27.5071, 0.2909, 0.5412



27.5071, 0.2014, 0.1675

Square

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



27.5071, 0.2909, 0.5412



27.5071, 0.1270, 0.2078



27.5071, 0.2970, 0.1936



27.5071, 0.5380, 0.3853

Rectangle

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



27.5071, 0.2909, 0.5412



27.5071, 0.1551, 0.3386



27.5071, 0.2970, 0.1936



27.5071, 0.4922, 0.2880

Sweetspot

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



27.5082, 0.2909, 0.5412



58.9814, 0.3029, 0.3824



32.4311, 0.3848, 0.5153



12.6881, 0.3016, 0.3910



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.



27.5082, 0.2909, 0.5412



48.4512, 0.2941, 0.5765



28.6787, 0.2518, 0.4078



7.9173, 0.3090, 0.3475



20.4479, 0.2937, 0.5772



0.4356, 0.2767, 0.5161

Inverse Universe

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



10.8189, 0.3647, 0.1915



17.4595, 0.3778, 0.1867



9.4405, 0.5118, 0.2817



7.1776, 0.3167, 0.3112



7.3150, 0.3782, 0.1857



0.1596, 0.3541, 0.1724

Previews

White Background



This preview shows how the Yxy color 27.5071, 0.2909, 0.5412 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 27.5071, 0.2909, 0.5412 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 27.5071, 0.2909, 0.5412

Background



This preview shows how black text looks on a background with the Yxy color 27.5071, 0.2909, 0.5412.



This preview shows how white text looks on a background with the Yxy color 27.5071, 0.2909, 0.5412.

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

27.5071, 0.2909, 0.5412

Protanopia

26.9649, 0.4188, 0.4593

Deuteranopia

26.8472, 0.4325, 0.4244



Tritanopia

27.2789, 0.2377, 0.3059

Trichromacy



Original Color

27.5071, 0.2909, 0.5412



Protanomaly

25.5238, 0.3563, 0.4982



Deuteranomaly

25.1389, 0.3642, 0.4726



Tritanomaly

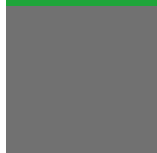
26.8559, 0.2574, 0.3896

Monochromacy



Original Color

27.5071, 0.2909, 0.5412



Achromatopsia

16.5132, 0.3127, 0.3290



Achromatomaly

19.1318, 0.2983, 0.4137

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.5071, 0.2909, 0.5412 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(31, 165, 58)` looks like.

```
.text, #text, p{  
    color:rgb(31, 165, 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(31, 165, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(31, 165, 58) }
```

Border

The CSS property to change the border of an element to Yxy 27.5071, 0.2909, 0.5412 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(31, 165, 58) }
```

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

```
.border{ border-color:rgb(31, 165, 58) }
```

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

Here you see how a box with a 4 pixel `rgb(31, 165, 58)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(31, 165, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(31, 165, 58);  
box-shadow:4px 4px 4px 4px rgb(31, 165,  
58) }
```


Background

The CSS property to change the background color of an element to Yxy 27.5071, 0.2909, 0.5412 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(31, 165, 58) }
```

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

```
.background{ background-color: rgb(31, 165,  
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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