

Converting Colors

$Yxy(27.5245, 0.3049, 0.4863)$

Have a look what the booklet for
Yxy(27.5245, 0.3049, 0.4863)
contains.

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Color

Yxy(27.7165, 0.3053, 0.4869)

Conversions

Conversions Part 1

Format	Color
Hex	4FA14F
RGB	79, 161, 79
RGB Percent	31%, 63%, 31%
CMY	0.6903, 0.3686, 0.6902
CMYK	0.51, 0.00, 0.51, 0.37
HSL	120°, 34%, 47%
HSV	120°, 51%, 63%
XYZ	17.3790, 27.7165, 11.8289
YIQ	127.1340, -22.5500, -42.8860

Conversions

Conversions Part 2

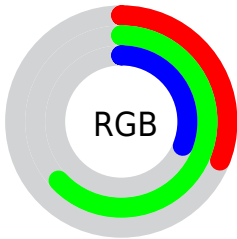
Format	Color
RYB	79, 161, 161
Decimal	5218639
CIELab	59.63, -42.21, 34.97
CIElCh	60, 54.811, 140.359
Yxy	27.7165, 0.3053, 0.4869
Android (android.graphics.Color)	4283408719 (0xFF4FA14F)
YUV	127.1340, -23.7301, -42.2135
Hunter-Lab	52.6465, -33.2070, 23.5309

Details

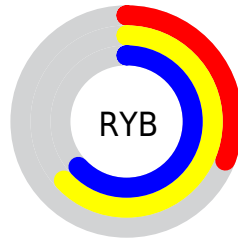
The Yxy color **27.7165, 0.3053, 0.4869** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **15.7399, 0.3183, 0.2094**, and the grayscale version is **21.3594, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.7918, 0.3096, 0.4497**, and **10.9342, 0.2933, 0.5506** is the 20% darker color. If you saturate the color by 10%, you get **26.9023, 0.3037, 0.5210**, and if you desaturate by 10%, it is **28.7569, 0.3070, 0.4517**.

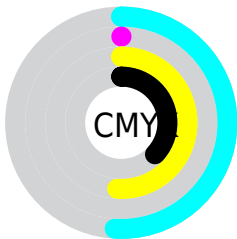
Distribution



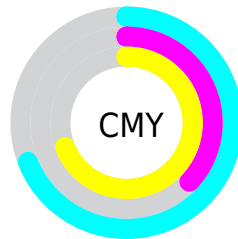
- Red (31%)
- Green (63%)
- Blue (31%)



- Red (31%)
- Yellow (63%)
- Blue (63%)



- Cyan (51%)
- Magenta (0%)
- Yellow (51%)
- Black (37%)





- Cyan (69%)
- Magenta (37%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.7165, 0.3053, 0.4869 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 27.7165, 0.3053, 0.4869 by changing the saturation by 10% instead.


 27.7165, 0.3053,
0.4869


 27.7165, 0.3053,
0.4869


291.1098, 0.3132,
0.3956


 18.1121, 0.3010,
0.5143


 56.0315, 0.3096,
0.4505

 11.0305, 0.2936,
0.5522


 75.5109, 0.3108,
0.4378

 6.0873, 0.2796,
0.6071


 99.0506, 0.3116,
0.4275

 2.8983, 0.2660,
0.7340

 127.0352, 0.3121,
0.4189

 1.0788, 0.0000,
1.0000

 159.8491, 0.3125,
0.4117

 0.0000, 0.0000,
0.0000

197.8765, 0.3128,

0.4056

241.5019, 0.3131,
0.4003

■ 27.7165, 0.3053,
0.4869

■ 27.7165, 0.3053,
0.4869

■ 26.9023, 0.3037,
0.5210

■ 28.7569, 0.3070,
0.4517

■ 26.2945, 0.3023,
0.5513

■ 30.0350, 0.3086,
0.4174

■ 25.8755, 0.3012,
0.5753

■ 31.5654, 0.3101,
0.3855

■ 25.6233, 0.3004,
0.5912

■ 33.3606, 0.3114,
0.3567

■ 25.4919, 0.3000,
0.6000

■ 35.4323, 0.3126,
0.3312

■ 37.7916, 0.3137,
0.3091

■ 40.4488, 0.3146,
0.2899

■ 43.4138, 0.3153,
0.2735

■ 46.6961, 0.3160,
0.2594

Harmonies

Analogous

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



27.7165, 0.3897, 0.4913



27.7165, 0.3053, 0.4869



27.7165, 0.2274, 0.4121

Triad

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



27.7165, 0.3053, 0.4869



27.7165, 0.1761, 0.2019



27.7165, 0.4678, 0.3172

Complementary

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



27.7165, 0.3053, 0.4869



15.7399, 0.3183, 0.2094

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.



27.7165, 0.3920, 0.2603



27.7165, 0.3053, 0.4869



27.7165, 0.2220, 0.1970

Square

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



27.7165, 0.3053, 0.4869



27.7165, 0.1610, 0.2380



27.7165, 0.2984, 0.2179



27.7165, 0.4911, 0.3806

Rectangle

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



27.7165, 0.3053, 0.4869



27.7165, 0.1901, 0.3439



27.7165, 0.2984, 0.2179



27.7165, 0.4471, 0.2972

Sweetspot

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



27.7177, 0.3053, 0.4869



58.2876, 0.3108, 0.3688



33.6338, 0.3855, 0.4493



12.6450, 0.3106, 0.3745



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.



27.7177, 0.3053, 0.4869



48.0263, 0.3035, 0.5249



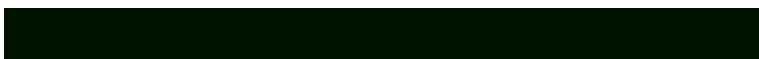
28.5092, 0.2761, 0.4066



7.8951, 0.3116, 0.3522



20.3580, 0.3000, 0.6000



0.4278, 0.3000, 0.5999

Inverse Universe

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



15.7399, 0.3183, 0.2094



24.1442, 0.3193, 0.1888



14.5227, 0.3806, 0.2646



7.2022, 0.3138, 0.3068



8.1061, 0.3210, 0.1542



0.1703, 0.3209, 0.1542

Previews

White Background



This preview shows how the Yxy color 27.7165, 0.3053, 0.4869 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 27.7165, 0.3053, 0.4869 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 27.7165, 0.3053, 0.4869

Background



This preview shows how black text looks on a background with the Yxy color 27.7165, 0.3053, 0.4869.



This preview shows how white text looks on a background with the Yxy color 27.7165, 0.3053, 0.4869.

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

27.7165, 0.3053, 0.4869

Protanopia

27.3951, 0.4002, 0.4363

Deuteranopia

27.1484, 0.4119, 0.4040



Tritanopia

27.6782, 0.2546, 0.3082

Trichromacy



Original Color

27.7165, 0.3053, 0.4869



Protanomaly

26.9878, 0.3600, 0.4577



Deuteranomaly

26.3643, 0.3674, 0.4337



Tritanomaly

27.3098, 0.2730, 0.3697

Monochromacy



Original Color

27.7165, 0.3053, 0.4869



Achromatopsia

21.2231, 0.3127, 0.3290



Achromatomaly

22.9060, 0.3101, 0.3844

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.7165, 0.3053, 0.4869 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(79, 161, 79)` looks like.

```
.text, #text, p{  
    color:rgb(79, 161, 79)  
}
```

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(79, 161, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(79, 161, 79) }
```

Border

The CSS property to change the border of an element to Yxy 27.7165, 0.3053, 0.4869 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(79, 161, 79) }
```

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

```
.border{ border-color:rgb(79, 161, 79) }
```

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

Here you see how a box with a 4 pixel rgb(79, 161, 79) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(79, 161, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(79, 161, 79);  
box-shadow:4px 4px 4px 4px rgb(79, 161,  
79) }
```


Background

The CSS property to change the background color of an element to Yxy 27.7165, 0.3053, 0.4869 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(79, 161, 79) }
```

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

```
.background{ background-color: rgb(79, 161,  
79) }
```

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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