

Converting Colors

$Y_{xy}(27.2746, 0.2897, 0.5316)$

Have a look what the booklet for
Yxy(27.2746, 0.2897, 0.5316)
contains.

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Color

Yxy(27.2671, 0.2897, 0.5314)

Conversions

Conversions Part 1

Format	Color
Hex	23A43F
RGB	35, 164, 63
RGB Percent	14%, 64%, 25%
CMY	0.8628, 0.3568, 0.7530
CMYK	0.79, 0.00, 0.62, 0.36
HSL	133°, 65%, 39%
HSV	133°, 79%, 64%
XYZ	14.8650, 27.2671, 9.1797
YIQ	113.9150, -44.4630, -58.7590

Conversions

Conversions Part 2

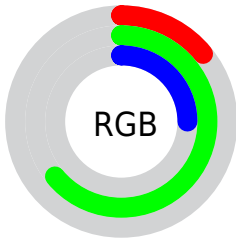
Format	Color
R _Y B	35, 141, 164
Decimal	2335807
CIE Lab	59.22, -54.84, 41.99
CIE LCh	59, 69.071, 142.556
Yxy	27.2671, 0.2897, 0.5314
Android (android.graphics.Color)	4280525887 (0xFF23A43F)
YUV	113.9150, -25.1011, -69.2085
Hunter-Lab	52.2179, -40.5672, 26.1296

Details

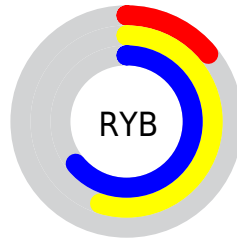
The Yxy color **27.2671, 0.2897, 0.5314** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **10.8720, 0.3665, 0.1957**, and the grayscale version is **16.8860, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.2261, 0.2989, 0.4839**, and **11.3864, 0.2977, 0.5918** is the 20% darker color. If you saturate the color by 10%, you get **26.9183, 0.2909, 0.5548**, and if you desaturate by 10%, it is **27.7857, 0.2898, 0.5045**.

Distribution



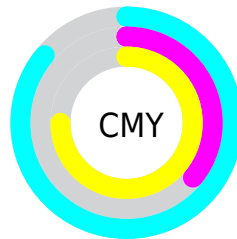
- Red (14%)
- Green (64%)
- Blue (25%)



- Red (14%)
- Yellow (55%)
- Blue (64%)



- Cyan (79%)
- Magenta (0%)
- Yellow (62%)
- Black (36%)





- Cyan (86%)
- Magenta (36%)
- Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 27.2671, 0.2897, 0.5314 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 27.2671, 0.2897, 0.5314 by changing the saturation by 10% instead.

 27.2671, 0.2897,
0.5314


 27.2671, 0.2897,
0.5314


288.9481, 0.3086,
0.4129

 17.7739, 0.2811,
0.5671


 55.3122, 0.2991,
0.4838

 10.7878, 0.2669,
0.6160


 74.6329, 0.3017,
0.4673

 5.9243, 0.2430,
0.6888

 97.9982, 0.3037,
0.4539

 2.7991, 0.1963,
0.8037

 125.7925, 0.3052,
0.4428

 1.0278, 0.0000,
1.0000

 158.4003, 0.3063,
0.4335

 0.0000, 0.0000,
0.0000

 196.2059, 0.3072,

0.4256

239.5937, 0.3080,
0.4188

■ 27.2671, 0.2897,
0.5314

■ 27.2671, 0.2897,
0.5314

■ 26.9183, 0.2909,
0.5548

■ 27.7857, 0.2898,
0.5045

■ 26.7020, 0.2930,
0.5736

■ 28.4894, 0.2911,
0.4758

■ 26.6773, 0.2933,
0.5757

■ 29.3955, 0.2936,
0.4466

■ 30.5183, 0.2969,
0.4184

■ 31.8709, 0.3007,
0.3919

■ 33.4651, 0.3048,
0.3676

■ 35.3123, 0.3090,
0.3459

■ 37.4227, 0.3133,
0.3266

■ 39.8063, 0.3174,
0.3097

Harmonies

Analogous

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



27.2671, 0.3917, 0.5322



27.2671, 0.2897, 0.5314



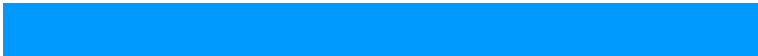
27.2671, 0.1989, 0.4264

Triad

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



27.2671, 0.2897, 0.5314



27.2671, 0.1517, 0.1736



27.2671, 0.5127, 0.3147

Complementary

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



27.2671, 0.2897, 0.5314



10.8720, 0.3665, 0.1957

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.



27.2671, 0.4202, 0.2488



27.2671, 0.2897, 0.5314



27.2671, 0.2068, 0.1719

Square

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



27.2671, 0.2897, 0.5314



27.2671, 0.1316, 0.2099



27.2671, 0.3011, 0.1982



27.2671, 0.5311, 0.3877

Rectangle

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



27.2671, 0.2897, 0.5314



27.2671, 0.1582, 0.3350



27.2671, 0.3011, 0.1982



27.2671, 0.4887, 0.2917

Sweetspot

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



27.2682, 0.2897, 0.5314



59.0130, 0.3024, 0.3813



31.9121, 0.3820, 0.5135



12.6956, 0.3010, 0.3898



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.



27.2682, 0.2897, 0.5314



48.5698, 0.2925, 0.5685



28.4536, 0.2509, 0.4004



7.9190, 0.3088, 0.3471



20.4597, 0.2929, 0.5743



0.4363, 0.2752, 0.5106

Inverse Universe

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



10.8720, 0.3665, 0.1957



17.5317, 0.3806, 0.1894



9.5562, 0.5076, 0.2842



7.1757, 0.3169, 0.3116



7.2621, 0.3834, 0.1886



0.1588, 0.3569, 0.1740

Previews

White Background



This preview shows how the Yxy color 27.2671, 0.2897, 0.5314 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 27.2671, 0.2897, 0.5314 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 27.2671, 0.2897, 0.5314

Background



This preview shows how black text looks on a background with the Yxy color 27.2671, 0.2897, 0.5314.



This preview shows how white text looks on a background with the Yxy color 27.2671, 0.2897, 0.5314.

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

27.2671, 0.2897, 0.5314

Protanopia

26.9006, 0.4148, 0.4557

Deuteranopia

26.7945, 0.4267, 0.4190



Tritanopia

27.2808, 0.2389, 0.3076

Trichromacy



Original Color

27.2671, 0.2897, 0.5314



Protanomaly

25.6392, 0.3541, 0.4906



Deuteranomaly

25.1984, 0.3603, 0.4650



Tritanomaly

26.9685, 0.2571, 0.3853

Monochromacy



Original Color

27.2671, 0.2897, 0.5314



Achromatopsia

16.8269, 0.3127, 0.3290



Achromatomaly

19.2600, 0.2984, 0.4087

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.2671, 0.2897, 0.5314 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(35, 164, 63)` looks like.

```
.text, #text, p{  
    color:rgb(35, 164, 63)  
}
```

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(35, 164, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(35, 164, 63) }
```

Border

The CSS property to change the border of an element to Yxy 27.2671, 0.2897, 0.5314 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(35, 164, 63) }
```

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

```
.border{ border-color:rgb(35, 164, 63) }
```

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

Here you see how a box with a 4 pixel rgb(35, 164, 63) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(35, 164, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(35, 164, 63);  
box-shadow:4px 4px 4px 4px rgb(35, 164,  
63) }
```


Background

The CSS property to change the background color of an element to Yxy 27.2671, 0.2897, 0.5314 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(35, 164, 63) }
```

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

```
.background{ background-color: rgb(35, 164,  
63) }
```

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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