

Converting Colors

$Y_{xy}(21.4479, 0.2814, 0.5330)$

Have a look what the booklet for
Yxy(21.4479, 0.2814, 0.5330)
contains.

Yxy(21.4752, 0.2816, 0.5339)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(21.4752, 0.2816, 0.5339)

Conversions

Conversions Part 1

Format	Color
Hex	009439
RGB	0, 148, 57
RGB Percent	0%, 58%, 22%
CMY	1.0000, 0.4196, 0.7764
CMYK	1.00, 0.00, 0.61, 0.42
HSL	143°, 100%, 29%
HSV	143°, 100%, 58%
XYZ	11.3269, 21.4752, 7.4212
YIQ	93.3740, -58.9970, -59.6770

Conversions

Conversions Part 2

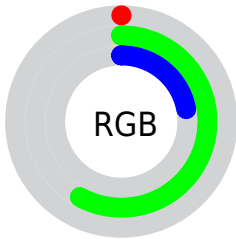
Format	Color
RYB	0, 107, 148
Decimal	37945
CIELab	53.47, -53.37, 38.07
CIElCh	53, 65.557, 144.497
Yxy	21.4752, 0.2816, 0.5339
Android (android.graphics.Color)	4278228025 (0xFF009439)
YUV	93.3740, -17.9324, -81.8890
Hunter-Lab	46.3413, -37.4679, 22.9441

Details

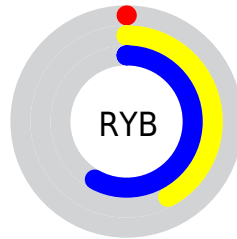
The Yxy color **21.4752, 0.2816, 0.5339** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **7.0516, 0.4453, 0.2227**, and the grayscale version is **11.0930, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.7518, 0.2935, 0.4822**, and **8.3723, 0.2988, 0.5958** is the 20% darker color. If you saturate the color by 10%, you get **21.4774, 0.2816, 0.5339**, and if you desaturate by 10%, it is **21.6764, 0.2791, 0.5139**.

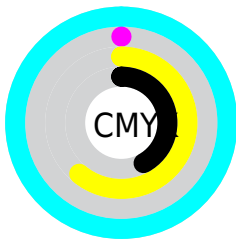
Distribution



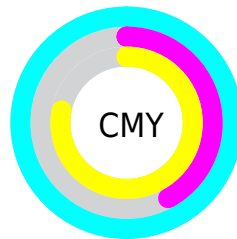
- Red (0%)
- Green (58%)
- Blue (22%)



- Red (0%)
- Yellow (42%)
- Blue (58%)



- Cyan (100%)
- Magenta (0%)
- Yellow (61%)
- Black (42%)




- Cyan (100%)
- Magenta (42%)
- Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.4752, 0.2816, 0.5339 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 21.4752, 0.2816, 0.5339 by changing the saturation by 10% instead.


 21.4752, 0.2816,
0.5339


 21.4752, 0.2816,
0.5339


259.7932, 0.3054,
0.4095


 13.4718, 0.2708,
0.5739


 45.8771, 0.2932,
0.4824


 7.7542, 0.2526,
0.6308


 63.0443, 0.2966,
0.4650


 3.9381, 0.2276,
0.7410

 84.0350, 0.2991,
0.4511

 1.6390, 0.0651,
0.9349

 109.2335, 0.3010,
0.4397

 0.3837, 0.0000,
1.0000

 139.0241, 0.3025,
0.4302

 0.0000, 0.0000,
0.0000

 173.7914, 0.3036,

0.4222

213.9196, 0.3046,
0.4154

■ 21.4752, 0.2816,
0.5339

■ 21.4752, 0.2816,
0.5339

■ 21.4774, 0.2816,
0.5339

■ 21.6764, 0.2791,
0.5139

■ 21.9628, 0.2776,
0.4920

■ 22.3712, 0.2780,
0.4690

■ 22.9154, 0.2800,
0.4455

■ 23.6072, 0.2835,
0.4225

■ 24.4571, 0.2882,
0.4005

■ 25.4746, 0.2937,
0.3800

■ 26.6683, 0.2998,
0.3612

■ 28.0464, 0.3062,
0.3442

Harmonies

Analogous

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



21.4752, 0.3857, 0.5399



21.4752, 0.2816, 0.5339



21.4752, 0.1910, 0.4200

Triad

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



21.4752, 0.2816, 0.5339



21.4752, 0.1510, 0.1693



21.4752, 0.5217, 0.3182

Complementary

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



21.4752, 0.2816, 0.5339



7.0516, 0.4453, 0.2227

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.



21.4752, 0.4307, 0.2508



21.4752, 0.2816, 0.5339



21.4752, 0.2093, 0.1697

Square

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



21.4752, 0.2816, 0.5339



21.4752, 0.1284, 0.2032



21.4752, 0.3080, 0.1981



21.4752, 0.5345, 0.3927

Rectangle

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



21.4752, 0.2816, 0.5339



21.4752, 0.1517, 0.3262



21.4752, 0.3080, 0.1981



21.4752, 0.4989, 0.2948

Sweetspot

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



21.4774, 0.2816, 0.5339



44.8284, 0.2933, 0.3812



23.4197, 0.3548, 0.5565



10.0698, 0.2911, 0.3889



74.8414, 0.3127, 0.3290



11.9280, 0.3127, 0.3290

Same Dimension

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



21.4774, 0.2816, 0.5339



37.8608, 0.2826, 0.5374



22.8134, 0.2347, 0.3651



6.5032, 0.3067, 0.3429



18.3485, 0.2813, 0.5327



0.2300, 0.2580, 0.4488

Inverse Universe

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



7.0516, 0.4453, 0.2227



12.4066, 0.4484, 0.2244



6.3378, 0.6230, 0.3206



5.8717, 0.3192, 0.3155



6.0281, 0.4443, 0.2221



0.0796, 0.3782, 0.1857

Previews

White Background



This preview shows how the Yxy color 21.4752, 0.2816, 0.5339 looks on a white background.

Color Contrast Check

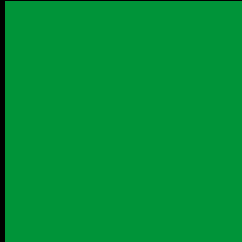
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.4752, 0.2816, 0.5339 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 21.4752, 0.2816, 0.5339

Background



This preview shows how black text looks on a background with the Yxy color 21.4752, 0.2816, 0.5339.



This preview shows how white text looks on a background with the Yxy color 21.4752, 0.2816, 0.5339.

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

21.4752, 0.2816, 0.5339

Protanopia

21.1685, 0.4141, 0.4532

Deuteranopia

21.1243, 0.4252, 0.4177



Tritanopia

21.5971, 0.2353, 0.3073

Trichromacy



Original Color

21.4752, 0.2816, 0.5339



Protanomaly

19.7586, 0.3402, 0.4971



Deuteranomaly

19.2330, 0.3456, 0.4704



Tritanomaly

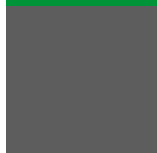
21.0190, 0.2500, 0.3856

Monochromacy



Original Color

21.4752, 0.2816, 0.5339



Achromatopsia

10.9462, 0.3127, 0.3290



Achromatomaly

13.3192, 0.2848, 0.4142

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.4752, 0.2816, 0.5339 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, 148, 57)` looks like.

```
.text, #text, p{  
    color:rgb(0, 148, 57)  
}
```

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, 148, 57) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 148, 57) }
```

Border

The CSS property to change the border of an element to Yxy 21.4752, 0.2816, 0.5339 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, 148, 57) }
```

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

```
.border{ border-color:rgb(0, 148, 57) }
```

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

Here you see how a box with a 4 pixel rgb(0, 148, 57) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 148, 57); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 148, 57);  
box-shadow:4px 4px 4px 4px rgb(0, 148, 57)  
}
```


Background

The CSS property to change the background color of an element to Yxy 21.4752, 0.2816, 0.5339 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 148, 57) }
```

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

```
.background{ background-color: rgb(0, 148,  
57) }
```

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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