

Converting Colors

$Yxy(19.8105, 0.2310, 0.5690)$

Have a look what the booklet for
Yxy(19.8105, 0.2310, 0.5690)
contains.

Yxy(21.4556, 0.2827, 0.5378)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(21.4556, 0.2827, 0.5378)

Conversions

Conversions Part 1

Format	Color
Hex	009437
RGB	0, 148, 55
RGB Percent	0%, 58%, 22%
CMY	1.0000, 0.4196, 0.7843
CMYK	1.00, 0.00, 0.63, 0.42
HSL	142°, 100%, 29%
HSV	142°, 100%, 58%
XYZ	11.2784, 21.4556, 7.1612
YIQ	93.1460, -58.3550, -60.2990

Conversions

Conversions Part 2

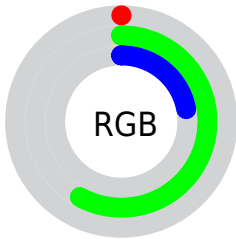
Format	Color
RYB	0, 108, 148
Decimal	37943
CIELab	53.44, -53.63, 39.00
CIELCh	53, 66.312, 143.974
Yxy	21.4556, 0.2827, 0.5378
Android (android.graphics.Color)	4278228023 (0xFF009437)
YUV	93.1460, -18.8060, -81.6890
Hunter-Lab	46.3202, -37.5979, 23.2578

Details

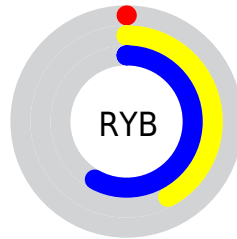
The Yxy color **21.4556, 0.2827, 0.5378** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **7.0867, 0.4399, 0.2197**, and the grayscale version is **11.0380, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.7102, 0.2946, 0.4854**, and **8.3657, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **21.4572, 0.2827, 0.5378**, and if you desaturate by 10%, it is **21.6549, 0.2801, 0.5177**.

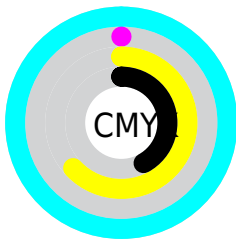
Distribution



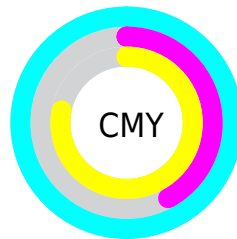
- Red (0%)
- Green (58%)
- Blue (22%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (63%)
- Black (42%)




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

Brightness & Saturation Gradients

These gradients show how the Yxy color 21.4556, 0.2827, 0.5378 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 21.4556, 0.2827, 0.5378 by changing the saturation by 10% instead.


 21.4556, 0.2827,
0.5378


 21.4556, 0.2827,
0.5378


259.6899, 0.3062,
0.4110


 13.4574, 0.2718,
0.5785


 45.8446, 0.2943,
0.4853


 7.7443, 0.2534,
0.6360


 63.0041, 0.2976,
0.4676


 3.9318, 0.2292,
0.7518

 83.9863, 0.3001,
0.4534

 1.6355, 0.0606,
0.9394

 109.1755, 0.3019,
0.4418

 0.3813, 0.0000,
1.0000

 138.9560, 0.3033,
0.4322

 0.0000, 0.0000,
0.0000

 173.7124, 0.3045,

0.4240

213.8289, 0.3054,
0.4171

■ 21.4556, 0.2827,
0.5378

■ 21.4556, 0.2827,
0.5378

■ 21.4572, 0.2827,
0.5378

■ 21.6549, 0.2801,
0.5177

■ 21.9405, 0.2787,
0.4956

■ 22.3488, 0.2790,
0.4721

■ 22.8936, 0.2809,
0.4482

■ 23.5868, 0.2843,
0.4247

■ 24.4389, 0.2888,
0.4022

■ 25.4593, 0.2942,
0.3812

■ 26.6570, 0.3001,
0.3619

■ 28.0400, 0.3064,
0.3445

Harmonies

Analogous

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



21.4556, 0.3877, 0.5413



21.4556, 0.2827, 0.5378



21.4556, 0.1909, 0.4237

Triad

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



21.4556, 0.2827, 0.5378



21.4556, 0.1489, 0.1682



21.4556, 0.5230, 0.3165

Complementary

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



21.4556, 0.2827, 0.5378



7.0867, 0.4399, 0.2197

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.



21.4556, 0.4300, 0.2489



21.4556, 0.2827, 0.5378



21.4556, 0.2069, 0.1681

Square

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



21.4556, 0.2827, 0.5378



21.4556, 0.1268, 0.2028



21.4556, 0.3058, 0.1963



21.4556, 0.5370, 0.3913

Rectangle

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



21.4556, 0.2827, 0.5378



21.4556, 0.1509, 0.3282



21.4556, 0.3058, 0.1963



21.4556, 0.4995, 0.2930

Sweetspot

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



21.4572, 0.2827, 0.5378



44.8020, 0.2939, 0.3824



23.5471, 0.3574, 0.5544



10.0633, 0.2917, 0.3903



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.



21.4572, 0.2827, 0.5378



37.8266, 0.2837, 0.5413



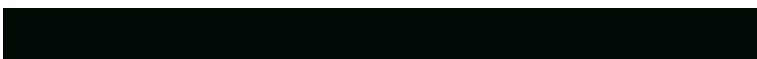
22.7470, 0.2363, 0.3705



6.5020, 0.3069, 0.3432



18.3315, 0.2824, 0.5366



0.2297, 0.2591, 0.4527

Inverse Universe

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



7.0867, 0.4399, 0.2197



12.4692, 0.4429, 0.2213



6.3459, 0.6197, 0.3188



5.8730, 0.3190, 0.3152



6.0581, 0.4390, 0.2192



0.0799, 0.3755, 0.1842

Previews

White Background



This preview shows how the Yxy color 21.4556, 0.2827, 0.5378 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 21.4556, 0.2827, 0.5378 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 21.4556, 0.2827, 0.5378

Background



This preview shows how black text looks on a background with the Yxy color 21.4556, 0.2827, 0.5378.



This preview shows how white text looks on a background with the Yxy color 21.4556, 0.2827, 0.5378.

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

21.4556, 0.2827, 0.5378

Protanopia

21.1513, 0.4157, 0.4556

Deuteranopia

21.1015, 0.4273, 0.4204



Tritanopia

21.5971, 0.2353, 0.3073

Trichromacy



Original Color

21.4556, 0.2827, 0.5378



Protanomaly

19.7406, 0.3416, 0.5004



Deuteranomaly

19.2115, 0.3473, 0.4740



Tritanomaly

20.9959, 0.2507, 0.3880

Monochromacy



Original Color

21.4556, 0.2827, 0.5378



Achromatopsia

10.9462, 0.3127, 0.3290



Achromatomaly

13.3046, 0.2858, 0.4170

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.4556, 0.2827, 0.5378 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, 55)` looks like.

```
.text, #text, p{  
    color:rgb(0, 148, 55)  
}
```

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, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 148, 55) }
```

Border

The CSS property to change the border of an element to Yxy 21.4556, 0.2827, 0.5378 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, 55) }
```

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

```
.border{ border-color:rgb(0, 148, 55) }
```

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, 55) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 148, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 148, 55);  
box-shadow:4px 4px 4px 4px rgb(0, 148, 55)  
}
```


Background

The CSS property to change the background color of an element to Yxy 21.4556, 0.2827, 0.5378 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, 55) }
```

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

```
.background{ background-color: rgb(0, 148,  
55) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor