

Converting Colors

$Y_{xy}(21.7728, 0.4111, 0.5497)$

Have a look what the booklet for
Yxy(21.7728, 0.4111, 0.5497)
contains.

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Color

Yxy(21.8133, 0.3969, 0.5230)

Conversions

Conversions Part 1

Format	Color
Hex	778900
RGB	119, 137, 0
RGB Percent	47%, 54%, 0%
CMY	0.5333, 0.4627, 0.9996
CMYK	0.13, 0.00, 1.00, 0.46
HSL	68°, 100%, 27%
HSV	68°, 100%, 54%
XYZ	16.5539, 21.8133, 3.3408
YIQ	116.0000, 33.2490, -46.4230

Conversions

Conversions Part 2

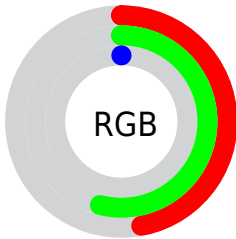
Format	Color
RYB	0, 137, 18
Decimal	7833856
CIELab	53.83, -21.76, 57.78
CIElCh	54, 61.742, 110.634
Yxy	21.8133, 0.3969, 0.5230
Android (android.graphics.Color)	4286023936 (0xFF778900)
YUV	116.0000, -57.1880, 2.6310
Hunter-Lab	46.7047, -18.4661, 28.4523

Details

The Yxy color **21.8133, 0.3969, 0.5230** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **1.9383, 0.1564, 0.0636**, and the grayscale version is **17.6406, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.3582, 0.3870, 0.4831**, and **7.9746, 0.3803, 0.5363** is the 20% darker color. If you saturate the color by 10%, you get **21.8130, 0.3969, 0.5231**, and if you desaturate by 10%, it is **21.9739, 0.3961, 0.5156**.

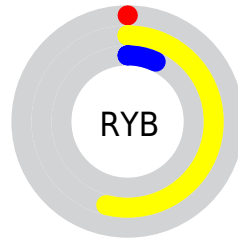
Distribution



Red (47%)

Green (54%)

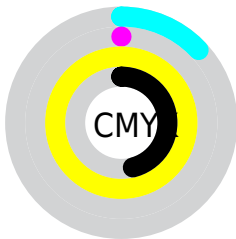
Blue (0%)



Red (0%)

Yellow (54%)

Blue (7%)

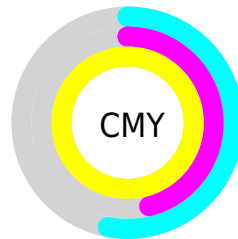


Cyan (13%)

Magenta (0%)

Yellow (100%)

Black (46%)



Cyan (53%)


Magenta (46%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.8133, 0.3969, 0.5230 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 21.8133, 0.3969, 0.5230 by changing the saturation by 10% instead.


 21.8133, 0.3969,
0.5230


 21.8133, 0.3969,
0.5230


 261.5697, 0.3596,
0.4165


 13.7198, 0.4004,
0.5488

 46.4372, 0.3865,
0.4837


 7.9260, 0.4071,
0.5901


 63.7364, 0.3814,
0.4689


 4.0477, 0.3876,
0.6124

 84.8730, 0.3768,
0.4565

 1.7003, 0.3527,
0.6473

 110.2313, 0.3725,
0.4460

 0.4238, 0.0000,
1.0000


 140.1957, 0.3688,
0.4370


 0.0000, 0.0000,
0.0000


 175.1506, 0.3654,


0.4292


 215.4805, 0.3623,
0.4225


 21.8133, 0.3969,
0.5230


 21.8133, 0.3969,
0.5230


 21.8130, 0.3969,
0.5231

 21.9739, 0.3961,
0.5156

 22.1554, 0.3936,
0.5052

 22.3690, 0.3887,
0.4906

 22.6185, 0.3814,
0.4723

 22.9069, 0.3722,
0.4508

■ 23.2369, 0.3614,
0.4272

■ 23.6112, 0.3496,
0.4024

■ 24.0320, 0.3373,
0.3773

■ 24.5014, 0.3248,
0.3526

Harmonies

Analogous

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



21.8133, 0.4811, 0.4587



21.8133, 0.3969, 0.5230



21.8133, 0.2979, 0.5261

Triad

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



21.8133, 0.3969, 0.5230



21.8133, 0.1363, 0.2178



21.8133, 0.4093, 0.2477

Complementary

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



21.8133, 0.3969, 0.5230



1.9383, 0.1564, 0.0636

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.



21.8133, 0.2949, 0.1995



21.8133, 0.3969, 0.5230



21.8133, 0.1539, 0.1793

Square

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



21.8133, 0.3969, 0.5230



21.8133, 0.1522, 0.3036



21.8133, 0.2055, 0.1754



21.8133, 0.5017, 0.3117

Rectangle

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



21.8133, 0.3969, 0.5230



21.8133, 0.2351, 0.4715



21.8133, 0.2055, 0.1754



21.8133, 0.3706, 0.2294

Sweetspot

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



21.8143, 0.3969, 0.5230



42.2289, 0.3505, 0.4043



5.6919, 0.6273, 0.3399



9.4155, 0.3549, 0.4134



69.2071, 0.3127, 0.3290



10.0482, 0.3127, 0.3290

Same Dimension

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



21.8143, 0.3969, 0.5230



39.0112, 0.3964, 0.5235



18.6381, 0.3239, 0.5809



5.8122, 0.3239, 0.3507



20.3215, 0.3970, 0.5230



0.1393, 0.4086, 0.5137

Inverse Universe

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



1.9383, 0.1564, 0.0636



3.4223, 0.1551, 0.0628



3.7179, 0.2290, 0.1036



4.9218, 0.3010, 0.3066



1.8057, 0.1565, 0.0636



0.0155, 0.1823, 0.0778

Previews

White Background



This preview shows how the Yxy color 21.8133, 0.3969, 0.5230 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



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

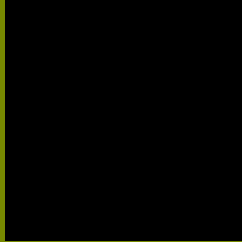
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 21.8133, 0.3969, 0.5230

Background



This preview shows how black text looks on a background with the Yxy color 21.8133, 0.3969, 0.5230.



This preview shows how white text looks on a background with the Yxy color 21.8133, 0.3969, 0.5230.

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

21.8133, 0.3969, 0.5230

Protanopia

21.7203, 0.4397, 0.4891

Deuteranopia

21.6623, 0.4634, 0.4560



Tritanopia

21.7307, 0.3054, 0.3114

Trichromacy



Original Color

21.8133, 0.3969, 0.5230

Protanomaly

21.7368, 0.4244, 0.5012

Deuteranomaly

21.3242, 0.4399, 0.4804

Tritanomaly

21.3563, 0.3549, 0.4110

Monochromacy



Original Color

21.8133, 0.3969, 0.5230

Achromatopsia

17.4647, 0.3127, 0.3290

Achromatomaly

18.6916, 0.3609, 0.4275

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.8133, 0.3969, 0.5230 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(119, 137, 0)` looks like.

```
.text, #text, p{  
    color:rgb(119, 137, 0)  
}
```

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(119, 137, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 137, 0) }
```

Border

The CSS property to change the border of an element to Yxy 21.8133, 0.3969, 0.5230 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(119, 137, 0) }
```

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

```
.border{ border-color:rgb(119, 137, 0) }
```

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

Here you see how a box with a 4 pixel rgb(119, 137, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 137, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 137, 0);  
box-shadow:4px 4px 4px 4px rgb(119, 137,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 21.8133, 0.3969, 0.5230 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 137, 0) }
```

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

```
.background{ background-color: rgb(119,  
137, 0) }
```

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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