

Converting Colors

$Y_{xy}(22.8148, 0.4304, 0.5360)$

Have a look what the booklet for
Yxy(22.8148, 0.4304, 0.5360)
contains.

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Color

Yxy(22.8779, 0.4144, 0.5092)

Conversions

Conversions Part 1

Format	Color
Hex	858900
RGB	133, 137, 0
RGB Percent	52%, 54%, 0%
CMY	0.4784, 0.4627, 1.0000
CMYK	0.03, 0.00, 1.00, 0.46
HSL	62°, 100%, 27%
HSV	62°, 100%, 54%
XYZ	18.6186, 22.8779, 3.4326
YIQ	120.1860, 41.5930, -43.4550

Conversions

Conversions Part 2

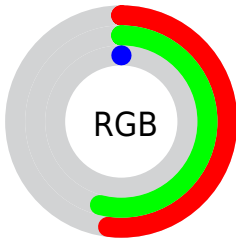
Format	Color
RYB	0, 137, 4
Decimal	8751360
CIELab	54.95, -15.42, 59.14
CIElCh	55, 61.118, 104.613
Yxy	22.8779, 0.4144, 0.5092
Android (android.graphics.Color)	4286941440 (0xFF858900)
YUV	120.1860, -59.2517, 11.2379
Hunter-Lab	47.8308, -14.2211, 29.2266

Details

The Yxy color **22.8779, 0.4144, 0.5092** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **1.8321, 0.1513, 0.0607**, and the grayscale version is **19.0295, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.1914, 0.4009, 0.4747**, and **8.4787, 0.4045, 0.5170** is the 20% darker color. If you saturate the color by 10%, you get **22.8791, 0.4144, 0.5092**, and if you desaturate by 10%, it is **22.9426, 0.4119, 0.5037**.

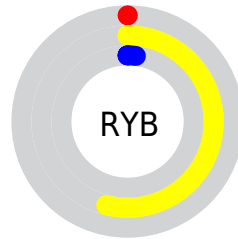
Distribution



Red (52%)

Green (54%)

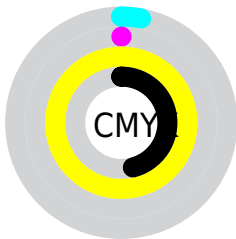
Blue (0%)



Red (0%)

Yellow (54%)

Blue (2%)

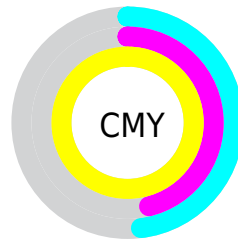


Cyan (3%)

Magenta (0%)

Yellow (100%)

Black (46%)



Cyan (48%)

Magenta (46%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 22.8779, 0.4144, 0.5092 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 22.8779, 0.4144, 0.5092 by changing the saturation by 10% instead.

■ 22.8779, 0.4144,
0.5092

■ 22.8779, 0.4144,
0.5092

■ 267.0972, 0.3673,
0.4134

■ 14.5034, 0.4208,
0.5309

■ 48.1928, 0.4002,
0.4749

■ 8.4716, 0.4309,
0.5640

■ 65.9019, 0.3937,
0.4616

■ 4.3982, 0.4194,
0.5806

■ 87.4913, 0.3880,
0.4504

■ 1.8987, 0.3967,
0.6033

■ 113.3455, 0.3828,
0.4407


■ 0.5476, 0.2083,
0.7917

■ 143.8488, 0.3783,
0.4324

■ 0.0000, 0.0000,
0.0000


■ 179.3856, 0.3742,


0.4252


 220.3403, 0.3706,
0.4189


 22.8779, 0.4144,
0.5092

 22.8779, 0.4144,
0.5092


 22.8791, 0.4144,
0.5092

 22.9426, 0.4119,
0.5037

 23.0255, 0.4077,
0.4954

 23.1382, 0.4010,
0.4829

 23.2843, 0.3920,
0.4667

 23.4670, 0.3810,
0.4471

■ 23.6890, 0.3684,
0.4250

■ 23.9528, 0.3548,
0.4014

■ 24.2608, 0.3407,
0.3770

■ 24.6149, 0.3266,
0.3527

Harmonies

Analogous

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



22.8779, 0.4908, 0.4422



22.8779, 0.4144, 0.5092



22.8779, 0.3186, 0.5277

Triad

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



22.8779, 0.4144, 0.5092



22.8779, 0.1400, 0.2334



22.8779, 0.3845, 0.2384

Complementary

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



22.8779, 0.4144, 0.5092



1.8321, 0.1513, 0.0607

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.



22.8779, 0.2752, 0.1952



22.8779, 0.4144, 0.5092



22.8779, 0.1509, 0.1869

Square

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



22.8779, 0.4144, 0.5092



22.8779, 0.1634, 0.3275



22.8779, 0.1948, 0.1768



22.8779, 0.4833, 0.2992

Rectangle

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



22.8779, 0.4144, 0.5092



22.8779, 0.2550, 0.4875



22.8779, 0.1948, 0.1768



22.8779, 0.3465, 0.2216

Sweetspot

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



22.8791, 0.4144, 0.5092



42.8591, 0.3557, 0.4030



5.3682, 0.6383, 0.3313



9.5730, 0.3607, 0.4117



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.



22.8791, 0.4144, 0.5092



40.9572, 0.4143, 0.5093



19.0582, 0.3360, 0.5714



5.8376, 0.3254, 0.3506



21.3116, 0.4144, 0.5092



0.1427, 0.4170, 0.5071

Inverse Universe

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



1.8321, 0.1513, 0.0607



3.2681, 0.1509, 0.0605



3.1377, 0.2079, 0.0919



4.8988, 0.2995, 0.3065



1.7074, 0.1513, 0.0607



0.0121, 0.1576, 0.0642

Previews

White Background



This preview shows how the Yxy color 22.8779, 0.4144, 0.5092 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 22.8779, 0.4144, 0.5092 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 22.8779, 0.4144, 0.5092

Background



This preview shows how black text looks on a background with the Yxy color 22.8779, 0.4144, 0.5092.



This preview shows how white text looks on a background with the Yxy color 22.8779, 0.4144, 0.5092.

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

22.8779, 0.4144, 0.5092

Protanopia

22.7984, 0.4393, 0.4894

Deuteranopia

22.8284, 0.4647, 0.4573



Tritanopia

22.7357, 0.3194, 0.3122

Trichromacy



Original Color

22.8779, 0.4144, 0.5092

Protanomaly

22.8898, 0.4305, 0.4964

Deuteranomaly

22.5996, 0.4476, 0.4761

Tritanomaly

22.4097, 0.3714, 0.4063

Monochromacy



Original Color

22.8779, 0.4144, 0.5092

Achromatopsia

18.7821, 0.3127, 0.3290

Achromatomaly

19.8035, 0.3682, 0.4233

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.8779, 0.4144, 0.5092 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(133, 137, 0)` looks like.

```
.text, #text, p{  
    color:rgb(133, 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(133, 137, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 137, 0) }
```

Border

The CSS property to change the border of an element to Yxy 22.8779, 0.4144, 0.5092 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(133, 137, 0) }
```

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

```
.border{ border-color:rgb(133, 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(133, 137, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 137, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 137, 0);  
box-shadow:4px 4px 4px 4px rgb(133, 137,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 22.8779, 0.4144, 0.5092 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 137, 0) }
```

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

```
.background{ background-color: rgb(133,  
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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