

Converting Colors

$Y_{xy}(21.7858, 0.4168, 0.5011)$

Have a look what the booklet for
Yxy(21.7858, 0.4168, 0.5011)
contains.

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Color

Yxy(21.7858, 0.4168, 0.5011)

Conversions

Conversions Part 1

Format	Color
Hex	85850B
RGB	133, 133, 11
RGB Percent	52%, 52%, 4%
CMY	0.4784, 0.4784, 0.9565
CMYK	0.00, 0.00, 0.92, 0.48
HSL	60°, 85%, 28%
HSV	60°, 92%, 52%
XYZ	18.1208, 21.7858, 3.5694
YIQ	119.0920, 39.1620, -37.9420

Conversions

Conversions Part 2

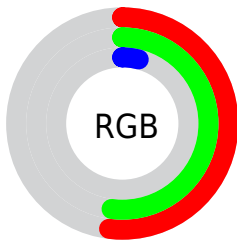
Format	Color
R_{YB}	11, 133, 11
Decimal	8750347
CIE _{Lab}	53.80, -13.09, 56.33
CIE _{LCh}	54, 57.834, 103.077
Yxy	21.7858, 0.4168, 0.5011
Android (android.graphics.Color)	4286940427 (0xFF85850B)
YUV	119.0920, -53.2894, 12.1973
Hunter-Lab	46.6753, -12.3825, 28.1386

Details

The Yxy color **21.7858, 0.4168, 0.5011** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **2.0071, 0.1558, 0.0696**, and the grayscale version is **18.6452, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.4045, 0.4007, 0.4682**, and **8.0461, 0.4117, 0.5113** is the 20% darker color. If you saturate the color by 10%, you get **21.7624, 0.4193, 0.5053**, and if you desaturate by 10%, it is **21.8301, 0.4124, 0.4939**.

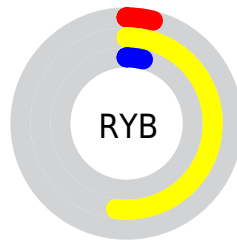
Distribution



Red (52%)

Green (52%)

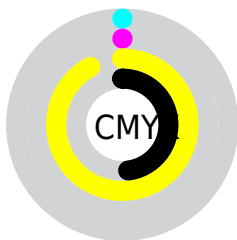
Blue (4%)



Red (4%)

Yellow (52%)

Blue (4%)

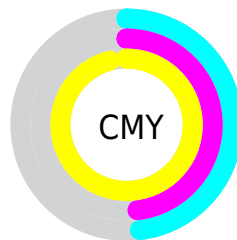


Cyan (0%)

Magenta (0%)

Yellow (92%)

Black (48%)



Cyan (48%)

Magenta (48%)


Yellow (96%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.7858, 0.4168, 0.5011 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 21.7858, 0.4168, 0.5011 by changing the saturation by 10% instead.


 21.7858, 0.4168,
0.5011


 21.7858, 0.4168,
0.5011


261.4256, 0.3669,
0.4089


 13.6996, 0.4246,
0.5223


 46.3917, 0.4011,
0.4678


 7.9120, 0.4362,
0.5543


 63.6802, 0.3942,
0.4550


 4.0387, 0.4283,
0.5717

 84.8049, 0.3882,
0.4442

 1.6952, 0.4078,
0.5922

 110.1503, 0.3828,
0.4350

 0.4206, 0.1603,
0.8397

 140.1006, 0.3781,
0.4271

 0.0000, 0.0000,
0.0000

 175.0403, 0.3739,

0.4202

■ 215.3539, 0.3702,
0.4142

■ 21.7858, 0.4168,
0.5011

■ 21.7858, 0.4168,
0.5011

■ 21.7624, 0.4193,
0.5053

■ 21.8301, 0.4124,
0.4939

■ 21.9006, 0.4057,
0.4827

■ 22.0017, 0.3965,
0.4676

■ 22.1363, 0.3853,
0.4490

■ 22.3072, 0.3725,
0.4278

■ 22.5165, 0.3585,
0.4047

■ 22.7666, 0.3440,
0.3807

■ 23.0593, 0.3294,
0.3565

■ 23.3965, 0.3150,
0.3328

Harmonies

Analogous

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



21.7858, 0.4885, 0.4365



21.7858, 0.4168, 0.5011



21.7858, 0.3244, 0.5206

Triad

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



21.7858, 0.4168, 0.5011



21.7858, 0.1453, 0.2407



21.7858, 0.3764, 0.2387

Complementary

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



21.7858, 0.4168, 0.5011



2.0071, 0.1558, 0.0696

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.



21.7858, 0.2719, 0.1976



21.7858, 0.4168, 0.5011



21.7858, 0.1542, 0.1928

Square

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



21.7858, 0.4168, 0.5011



21.7858, 0.1704, 0.3340



21.7858, 0.1955, 0.1810



21.7858, 0.4732, 0.2975

Rectangle

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



21.7858, 0.4168, 0.5011



21.7858, 0.2622, 0.4849



21.7858, 0.1955, 0.1810



21.7858, 0.3400, 0.2226

Sweetspot

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



21.7868, 0.4168, 0.5011



40.4917, 0.3527, 0.3951



5.2529, 0.6190, 0.3299



9.0950, 0.3568, 0.4019



67.3860, 0.3127, 0.3290



9.4630, 0.3127, 0.3290

Same Dimension

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



21.7868, 0.4168, 0.5011



38.9693, 0.4193, 0.5053



18.1803, 0.3418, 0.5586



5.4230, 0.3257, 0.3505



20.7276, 0.4193, 0.5053



0.0718, 0.4193, 0.5053

Inverse Universe

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



2.0071, 0.1558, 0.0696



3.0327, 0.1500, 0.0600



3.3149, 0.2143, 0.1010



4.5446, 0.2992, 0.3066



1.6131, 0.1500, 0.0600



0.0056, 0.1500, 0.0600

Previews

White Background



This preview shows how the Yxy color 21.7858, 0.4168, 0.5011 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 21.7858, 0.4168, 0.5011 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 21.7858, 0.4168, 0.5011

Background



This preview shows how black text looks on a background with the Yxy color 21.7858, 0.4168, 0.5011.



This preview shows how white text looks on a background with the Yxy color 21.7858, 0.4168, 0.5011.

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

21.7858, 0.4168, 0.5011

Protanopia

21.7400, 0.4376, 0.4859

Deuteranopia

21.6584, 0.4638, 0.4565



Tritanopia

21.8595, 0.3243, 0.3137

Trichromacy



Original Color

21.7858, 0.4168, 0.5011

Protanomaly

21.6499, 0.4310, 0.4905

Deuteranomaly

21.5447, 0.4465, 0.4731

Tritanomaly

21.3890, 0.3714, 0.3964

Monochromacy



Original Color

21.7858, 0.4168, 0.5011

Achromatopsia

18.4475, 0.3127, 0.3290

Achromatomaly

19.2796, 0.3636, 0.4132

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.7858, 0.4168, 0.5011 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, 133, 11)` looks like.

```
.text, #text, p{  
    color:rgb(133, 133, 11)  
}
```

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, 133, 11) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 133, 11) }
```

Border

The CSS property to change the border of an element to Yxy 21.7858, 0.4168, 0.5011 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, 133, 11) }
```

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

```
.border{ border-color:rgb(133, 133, 11) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 133, 11)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 133, 11); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 133, 11);  
box-shadow:4px 4px 4px 4px rgb(133, 133,  
11) }
```


Background

The CSS property to change the background color of an element to Yxy 21.7858, 0.4168, 0.5011 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 133, 11) }
```

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

```
.background{ background-color: rgb(133,  
133, 11) }
```

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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