

Converting Colors

$Y_{xy}(21.6714, 0.4319, 0.5453)$

Have a look what the booklet for
Yxy(21.6714, 0.4319, 0.5453)
contains.

Yxy(21.9951, 0.4118, 0.5112)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(21.9951, 0.4118, 0.5112)

Conversions

Conversions Part 1

Format	Color
Hex	818700
RGB	129, 135, 0
RGB Percent	51%, 53%, 0%
CMY	0.4941, 0.4706, 0.9998
CMYK	0.04, 0.00, 1.00, 0.47
HSL	63°, 100%, 26%
HSV	63°, 100%, 53%
XYZ	17.7183, 21.9951, 3.3130
YIQ	117.8160, 39.7590, -43.2570

Conversions

Conversions Part 2

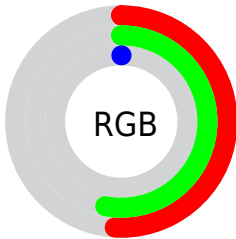
Format	Color
RYB	0, 135, 6
Decimal	8488704
CIELab	54.02, -16.19, 58.29
CIELCh	54, 60.496, 105.525
Yxy	21.9951, 0.4118, 0.5112
Android (android.graphics.Color)	4286678784 (0xFF818700)
YUV	117.8160, -58.0833, 9.8084
Hunter-Lab	46.8989, -14.6364, 28.6409

Details

The Yxy color **21.9951, 0.4118, 0.5112** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **1.7896, 0.1520, 0.0611**, and the grayscale version is **18.2350, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.6981, 0.3977, 0.4757**, and **8.1921, 0.4005, 0.5202** is the 20% darker color. If you saturate the color by 10%, you get **21.9958, 0.4118, 0.5112**, and if you desaturate by 10%, it is **22.0736, 0.4095, 0.5054**.

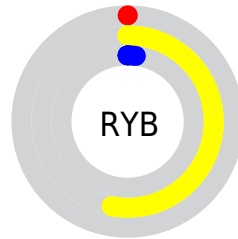
Distribution



Red (51%)

Green (53%)

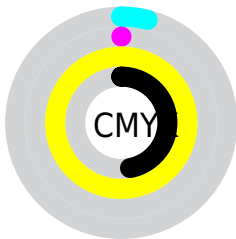
Blue (0%)



Red (0%)

Yellow (53%)

Blue (2%)

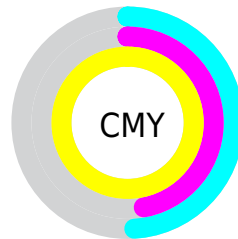


Cyan (4%)

Magenta (0%)

Yellow (100%)

Black (47%)



Cyan (49%)

Magenta (47%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 21.9951, 0.4118, 0.5112 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 21.9951, 0.4118, 0.5112 by changing the saturation by 10% instead.

■ 21.9951, 0.4118,
0.5112

■ 21.9951, 0.4118,
0.5112

■ 262.5207, 0.3658,
0.4133

■ 13.8533, 0.4179,
0.5337

■ 46.7379, 0.3980,
0.4758

■ 8.0187, 0.4284,
0.5697

■ 64.1077, 0.3917,
0.4623

■ 4.1069, 0.4142,
0.5858

■ 85.3223, 0.3861,
0.4508

■ 1.7336, 0.3889,
0.6111

■ 110.7660, 0.3810,
0.4410


■ 0.4452, 0.0590,
0.9410


■ 140.8233, 0.3765,
0.4326


■ 0.0000, 0.0000,
0.0000


■ 175.8786, 0.3726,

0.4253


 216.3163, 0.3690,
0.4189


 21.9951, 0.4118,
0.5112


 21.9951, 0.4118,
0.5112


 21.9958, 0.4118,
0.5112

 22.0736, 0.4095,
0.5054

 22.1699, 0.4055,
0.4967

 22.2952, 0.3991,
0.4839

 22.4530, 0.3903,
0.4673

 22.6463, 0.3796,
0.4474

■ 22.8778, 0.3673,
0.4252

■ 23.1498, 0.3539,
0.4014

■ 23.4646, 0.3401,
0.3769

■ 23.8242, 0.3262,
0.3526

Harmonies

Analogous

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



21.9951, 0.4893, 0.4446



21.9951, 0.4118, 0.5112



21.9951, 0.3155, 0.5275

Triad

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



21.9951, 0.4118, 0.5112



21.9951, 0.1395, 0.2311



21.9951, 0.3881, 0.2398

Complementary

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



21.9951, 0.4118, 0.5112



1.7896, 0.1520, 0.0611

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.



21.9951, 0.2781, 0.1959



21.9951, 0.4118, 0.5112



21.9951, 0.1514, 0.1858

Square

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



21.9951, 0.4118, 0.5112



21.9951, 0.1617, 0.3239



21.9951, 0.1964, 0.1766



21.9951, 0.4861, 0.3011

Rectangle

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



21.9951, 0.4118, 0.5112



21.9951, 0.2520, 0.4852



21.9951, 0.1964, 0.1766



21.9951, 0.3501, 0.2228

Sweetspot

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



21.9961, 0.4118, 0.5112



41.4186, 0.3549, 0.4031



5.2501, 0.6365, 0.3328



9.5491, 0.3599, 0.4119



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.



21.9961, 0.4118, 0.5112



39.3706, 0.4116, 0.5114



18.3863, 0.3340, 0.5730



5.4128, 0.3251, 0.3505



20.2840, 0.4118, 0.5112



0.0711, 0.4158, 0.5080

Inverse Universe

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



1.7896, 0.1520, 0.0611



3.1830, 0.1514, 0.0608



3.1294, 0.2115, 0.0939



4.5537, 0.2998, 0.3066



1.6503, 0.1521, 0.0611



0.0063, 0.1614, 0.0663

Previews

White Background



This preview shows how the Yxy color 21.9951, 0.4118, 0.5112 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 21.9951, 0.4118, 0.5112 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

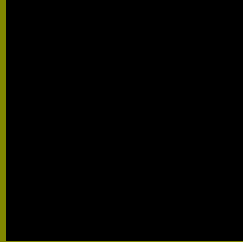
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.9951, 0.4118, 0.5112

Background



This preview shows how black text looks on a background with the Yxy color 21.9951, 0.4118, 0.5112.



This preview shows how white text looks on a background with the Yxy color 21.9951, 0.4118, 0.5112.

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

21.9951, 0.4118, 0.5112

Protanopia

21.8115, 0.4409, 0.4881

Deuteranopia

21.7597, 0.4654, 0.4562



Tritanopia

21.8198, 0.3171, 0.3118

Trichromacy



Original Color

21.9951, 0.4118, 0.5112

Protanomaly

21.8080, 0.4307, 0.4962

Deuteranomaly

21.7871, 0.4467, 0.4765

Tritanomaly

21.5233, 0.3685, 0.4063

Monochromacy



Original Color

21.9951, 0.4118, 0.5112

Achromatopsia

18.1164, 0.3127, 0.3290

Achromatomaly

19.0609, 0.3665, 0.4233

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.9951, 0.4118, 0.5112 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(129, 135, 0)` looks like.

```
.text, #text, p{  
  color:rgb(129, 135, 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(129, 135, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 135, 0) }
```

Border

The CSS property to change the border of an element to Yxy 21.9951, 0.4118, 0.5112 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(129, 135, 0) }
```

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

```
.border{ border-color:rgb(129, 135, 0) }
```

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

Here you see how a box with a 4 pixel rgb(129, 135, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 135, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 135, 0);  
box-shadow:4px 4px 4px 4px rgb(129, 135,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 21.9951, 0.4118, 0.5112 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 135, 0) }
```

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

```
.background{ background-color: rgb(129,  
135, 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](#).

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