

Converting Colors

$Y_{xy}(22.1412, 0.4381, 0.4903)$

Have a look what the booklet for
Yxy(22.1412, 0.4381, 0.4903)
contains.

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Color

Yxy(21.9850, 0.4383, 0.4902)

Conversions

Conversions Part 1

Format	Color
Hex	918200
RGB	145, 130, 0
RGB Percent	57%, 51%, 0%
CMY	0.4314, 0.4902, 1.0000
CMYK	0.00, 0.10, 1.00, 0.43
HSL	54°, 100%, 28%
HSV	54°, 100%, 57%
XYZ	19.6573, 21.9850, 3.2067
YIQ	119.6650, 50.6700, -37.2500

Conversions

Conversions Part 2

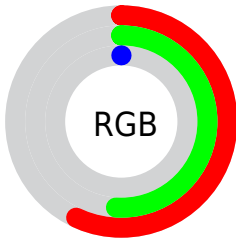
Format	Color
R_{YB}	17, 145, 0
Decimal	9536000
CIE Lab	54.01, -6.09, 58.95
CIE LCh	54, 59.259, 95.894
Yxy	21.9850, 0.4383, 0.4902
Android (android.graphics.Color)	4287726080 (0xFF918200)
YUV	119.6650, -58.9948, 22.2188
Hunter-Lab	46.8882, -7.2202, 28.7668

Details

The Yxy color **21.9850, 0.4383, 0.4902** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **2.3847, 0.1525, 0.0689**, and the grayscale version is **18.8496, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.8288, 0.4178, 0.4625**, and **8.0585, 0.4366, 0.4915** is the 20% darker color. If you saturate the color by 10%, you get **21.9861, 0.4383, 0.4902**, and if you desaturate by 10%, it is **22.4204, 0.4328, 0.4866**.

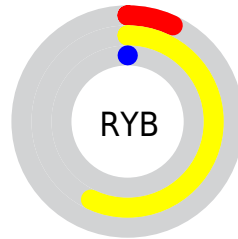
Distribution



Red (57%)

Green (51%)

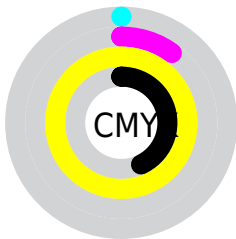
Blue (0%)



Red (7%)

Yellow (57%)

Blue (0%)

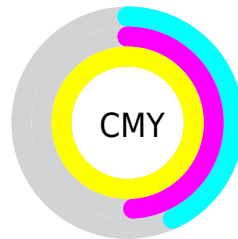


Cyan (0%)

Magenta (10%)

Yellow (100%)

Black (43%)



Cyan (43%)


Magenta (49%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.9850, 0.4383, 0.4902 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 21.9850, 0.4383, 0.4902 by changing the saturation by 10% instead.


 21.9850, 0.4383,
0.4902


 21.9850, 0.4383,
0.4902


262.4679, 0.3770,
0.4073


 13.8459, 0.4488,
0.5072


 46.7212, 0.4185,
0.4616

 8.0135, 0.4659,
0.5341


 64.0871, 0.4100,
0.4502


 4.1036, 0.4604,
0.5396

 85.2973, 0.4026,
0.4404

 1.7317, 0.4513,
0.5487

 110.7363, 0.3962,
0.4319


 0.4441, 0.3812,
0.6188


 140.7885, 0.3905,
0.4245


 0.0000, 0.0000,
0.0000


 175.8382, 0.3854,


0.4180


 216.2699, 0.3810,
0.4124


 21.9850, 0.4383,
0.4902


 21.9850, 0.4383,
0.4902


 21.9861, 0.4383,
0.4902

 22.4204, 0.4328,
0.4866

 22.8831, 0.4254,
0.4800

 23.3855, 0.4155,
0.4691

 23.9316, 0.4033,
0.4543

 24.5252, 0.3893,
0.4364

■ 25.1694, 0.3741,
0.4162

■ 25.8672, 0.3584,
0.3946

■ 26.6212, 0.3427,
0.3724

■ 27.4338, 0.3273,
0.3504

Harmonies

Analogous

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



21.9850, 0.5031, 0.4200



21.9850, 0.4383, 0.4902



21.9850, 0.3472, 0.5273

Triad

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



21.9850, 0.4383, 0.4902



21.9850, 0.1453, 0.2570



21.9850, 0.3508, 0.2251

Complementary

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



21.9850, 0.4383, 0.4902



2.3847, 0.1525, 0.0689

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.



21.9850, 0.2491, 0.1890



21.9850, 0.4383, 0.4902



21.9850, 0.1466, 0.1982

Square

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



21.9850, 0.4383, 0.4902



21.9850, 0.1796, 0.3627



21.9850, 0.1802, 0.1786



21.9850, 0.4565, 0.2812

Rectangle

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



21.9850, 0.4383, 0.4902



21.9850, 0.2829, 0.5069



21.9850, 0.1802, 0.1786



21.9850, 0.3143, 0.2104

Sweetspot

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



21.9861, 0.4383, 0.4902



46.2556, 0.3594, 0.3960



6.0583, 0.6227, 0.3204



10.1838, 0.3653, 0.4041



72.9347, 0.3127, 0.3290



11.2805, 0.3127, 0.3290

Same Dimension

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



21.9861, 0.4383, 0.4902



39.2357, 0.4387, 0.4899



22.3894, 0.3549, 0.5564



6.1916, 0.3261, 0.3486



18.8851, 0.4382, 0.4903



0.1983, 0.4279, 0.4984

Inverse Universe

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



2.3847, 0.1525, 0.0689



4.1435, 0.1520, 0.0670



2.8724, 0.1837, 0.0785



5.3391, 0.2990, 0.3087



2.0664, 0.1526, 0.0695



0.0339, 0.1639, 0.1101

Previews

White Background



This preview shows how the Yxy color 21.9850, 0.4383, 0.4902 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 21.9850, 0.4383, 0.4902 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

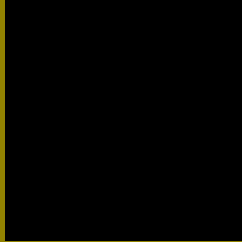
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.9850, 0.4383, 0.4902

Background



This preview shows how black text looks on a background with the Yxy color 21.9850, 0.4383, 0.4902.



This preview shows how white text looks on a background with the Yxy color 21.9850, 0.4383, 0.4902.

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

21.9850, 0.4383, 0.4902

Protanopia

22.0763, 0.4396, 0.4892

Deuteranopia

21.9929, 0.4655, 0.4593



Tritanopia

22.0588, 0.3421, 0.3143

Trichromacy



Original Color

21.9850, 0.4383, 0.4902

Protanomaly

22.0763, 0.4396, 0.4892

Deuteranomaly

22.0138, 0.4547, 0.4715

Tritanomaly

21.5239, 0.3947, 0.3980

Monochromacy



Original Color

21.9850, 0.4383, 0.4902

Achromatopsia

18.7821, 0.3127, 0.3290

Achromatomaly

19.6042, 0.3748, 0.4183

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.9850, 0.4383, 0.4902 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(145, 130, 0)` looks like.

```
.text, #text, p{  
    color:rgb(145, 130, 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(145, 130, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 130, 0) }
```

Border

The CSS property to change the border of an element to Yxy 21.9850, 0.4383, 0.4902 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(145, 130, 0) }
```

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

```
.border{ border-color:rgb(145, 130, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 130, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 130, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 130, 0);  
box-shadow:4px 4px 4px 4px rgb(145, 130,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 21.9850, 0.4383, 0.4902 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 130, 0) }
```

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

```
.background{ background-color: rgb(145,  
130, 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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