

Converting Colors

$Y_{xy}(21.9493, 0.4444, 0.4853)$

Have a look what the booklet for
Yxy(21.9493, 0.4444, 0.4853)
contains.

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Color

Yxy(21.9964, 0.4434, 0.4861)

Conversions

Conversions Part 1

Format	Color
Hex	948100
RGB	148, 129, 0
RGB Percent	58%, 51%, 0%
CMY	0.4196, 0.4941, 0.9997
CMYK	0.00, 0.13, 1.00, 0.42
HSL	52°, 100%, 29%
HSV	52°, 100%, 58%
XYZ	20.0642, 21.9964, 3.1902
YIQ	119.9750, 52.7330, -36.0910

Conversions

Conversions Part 2

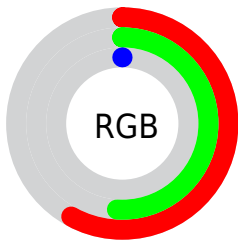
Format	Color
R_{YB}	22, 148, 0
Decimal	9732352
CIE Lab	54.02, -4.11, 59.07
CIE LCh	54, 59.216, 93.981
Yxy	21.9964, 0.4434, 0.4861
Android (android.graphics.Color)	4287922432 (0xFF948100)
YUV	119.9750, -59.1477, 24.5779
Hunter-Lab	46.9003, -5.7124, 28.7973

Details

The Yxy color **21.9964, 0.4434, 0.4861** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **2.6073, 0.1533, 0.0716**, and the grayscale version is **18.9578, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.5748, 0.4231, 0.4584**, and **8.0645, 0.4444, 0.4854** is the 20% darker color. If you saturate the color by 10%, you get **21.9947, 0.4434, 0.4861**, and if you desaturate by 10%, it is **22.5371, 0.4372, 0.4830**.

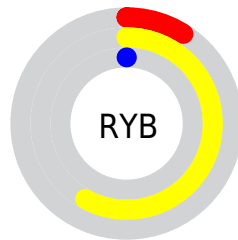
Distribution



Red (58%)

Green (51%)

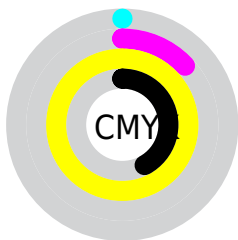
Blue (0%)



Red (9%)

Yellow (58%)

Blue (0%)

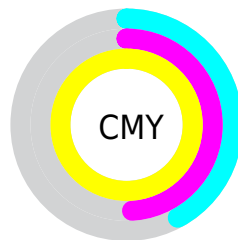


Cyan (0%)

Magenta (13%)

Yellow (100%)

Black (42%)



Cyan (42%)


Magenta (49%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.9964, 0.4434, 0.4861 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 21.9964, 0.4434, 0.4861 by changing the saturation by 10% instead.


 21.9964, 0.4434,
0.4861


 21.9964, 0.4434,
0.4861


262.5275, 0.3792,
0.4062


 13.8543, 0.4548,
0.5020


 46.7400, 0.4224,
0.4589


 8.0194, 0.4729,
0.5271

 64.1103, 0.4136,
0.4478

 4.1073, 0.4692,
0.5308

 85.3255, 0.4059,
0.4383

 1.7338, 0.4632,
0.5368

 110.7698, 0.3991,
0.4301

 0.4454, 0.4203,
0.5797

 140.8278, 0.3932,
0.4229


 0.0000, 0.0000,
0.0000

 175.8838, 0.3879,


0.4166


 216.3222, 0.3833,
0.4111

 21.9964, 0.4434,
0.4861


 21.9964, 0.4434,
0.4861


 21.9947, 0.4434,
0.4861

 22.5371, 0.4372,
0.4830

 23.1100, 0.4291,
0.4766

 23.7279, 0.4183,
0.4660

 24.3950, 0.4054,
0.4515

 25.1152, 0.3907,
0.4339

■ 25.8920, 0.3750,
0.4141

■ 26.7283, 0.3589,
0.3929

■ 27.6271, 0.3429,
0.3712

■ 28.5908, 0.3274,
0.3497

Harmonies

Analogous

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



21.9964, 0.5056, 0.4153



21.9964, 0.4434, 0.4861



21.9964, 0.3534, 0.5268

Triad

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



21.9964, 0.4434, 0.4861



21.9964, 0.1464, 0.2625



21.9964, 0.3437, 0.2222

Complementary

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



21.9964, 0.4434, 0.4861



2.6073, 0.1533, 0.0716

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.



21.9964, 0.2437, 0.1876



21.9964, 0.4434, 0.4861



21.9964, 0.1456, 0.2007

Square

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



21.9964, 0.4434, 0.4861



21.9964, 0.1833, 0.3706



21.9964, 0.1772, 0.1790



21.9964, 0.4506, 0.2773

Rectangle

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



21.9964, 0.4434, 0.4861



21.9964, 0.2890, 0.5106



21.9964, 0.1772, 0.1790



21.9964, 0.3076, 0.2080

Sweetspot

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



21.9975, 0.4434, 0.4861



47.0572, 0.3600, 0.3943



6.3479, 0.6196, 0.3188



10.6108, 0.3661, 0.4025



74.8414, 0.3127, 0.3290



11.9280, 0.3127, 0.3290

Same Dimension

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



21.9975, 0.4434, 0.4861



38.6289, 0.4440, 0.4857



23.5492, 0.3574, 0.5544



6.6189, 0.3262, 0.3481



18.8129, 0.4433, 0.4863



0.2588, 0.4302, 0.4966

Inverse Universe

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



2.6073, 0.1533, 0.0716



4.4496, 0.1527, 0.0695



2.9331, 0.1810, 0.0771



5.7460, 0.2989, 0.3091



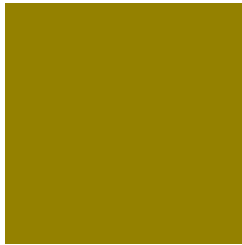
2.2490, 0.1534, 0.0722



0.0508, 0.1670, 0.1210

Previews

White Background



This preview shows how the Yxy color 21.9964, 0.4434, 0.4861 looks on a white background.

Color Contrast Check

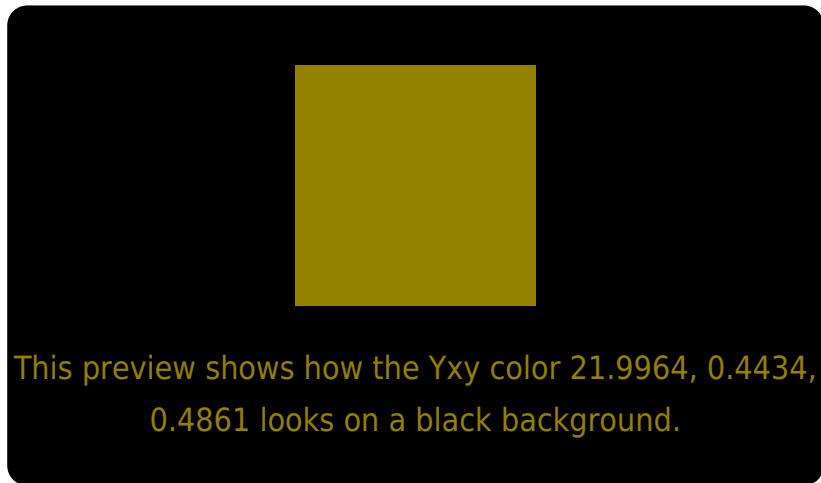
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.9964, 0.4434, 0.4861

Background



This preview shows how black text looks on a background with the Yxy color 21.9964, 0.4434, 0.4861.

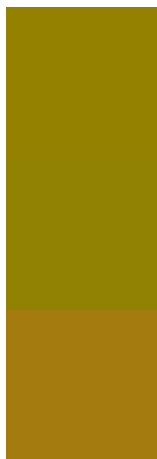


This preview shows how white text looks on a background with the Yxy color 21.9964, 0.4434, 0.4861.

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

21.9964, 0.4434, 0.4861

Protanopia

22.0828, 0.4389, 0.4881

Deuteranopia

21.9869, 0.4661, 0.4601



Tritanopia

21.9865, 0.3461, 0.3145

Trichromacy



Original Color

21.9964, 0.4434, 0.4861

Protanomaly

22.1727, 0.4403, 0.4875

Deuteranomaly

21.9582, 0.4588, 0.4688

Tritanomaly

21.4505, 0.3992, 0.3973

Monochromacy



Original Color

21.9964, 0.4434, 0.4861

Achromatopsia

18.7821, 0.3127, 0.3290

Achromatomaly

19.4335, 0.3768, 0.4162

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.9964, 0.4434, 0.4861 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(148, 129, 0)` looks like.

```
.text, #text, p{  
    color:rgb(148, 129, 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(148, 129, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 129, 0) }
```

Border

The CSS property to change the border of an element to Yxy 21.9964, 0.4434, 0.4861 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(148, 129, 0) }
```

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

```
.border{ border-color:rgb(148, 129, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 129, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 129, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 129, 0);  
box-shadow:4px 4px 4px 4px rgb(148, 129,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 21.9964, 0.4434, 0.4861 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 129, 0) }
```

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

```
.background{ background-color: rgb(148,  
129, 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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