

Converting Colors

$Y_{xy}(21.5501, 0.3918, 0.4270)$

Have a look what the booklet for
Yxy(21.5501, 0.3918, 0.4270)
contains.

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Color

Yxy(21.4687, 0.3918, 0.4276)

Conversions

Conversions Part 1

Format	Color
Hex	8C8047
RGB	140, 128, 71
RGB Percent	55%, 50%, 28%
CMY	0.4510, 0.4980, 0.7216
CMYK	0.00, 0.09, 0.49, 0.45
HSL	50°, 33%, 41%
HSV	50°, 49%, 55%
XYZ	19.6713, 21.4687, 9.0675
YIQ	125.0900, 25.4490, -15.1830

Conversions

Conversions Part 2

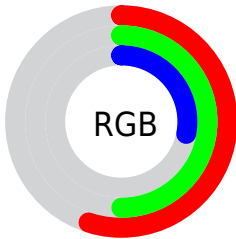
Format	Color
RYB	86, 140, 71
Decimal	9207879
CIELab	53.46, -3.63, 32.42
CIELCh	53, 32.621, 96.396
Yxy	21.4687, 0.3918, 0.4276
Android (android.graphics.Color)	4287397959 (0xFF8C8047)
YUV	125.0900, -26.6664, 13.0761
Hunter-Lab	46.3343, -5.3028, 20.8312

Details

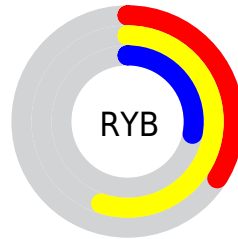
The Yxy color **21.4687, 0.3918, 0.4276** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **9.4177, 0.2270, 0.2051**, and the grayscale version is **20.6255, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.0303, 0.3751, 0.4065**, and **7.7326, 0.4181, 0.4629** is the 20% darker color. If you saturate the color by 10%, you get **20.6830, 0.4077, 0.4447**, and if you desaturate by 10%, it is **22.3131, 0.3752, 0.4085**.

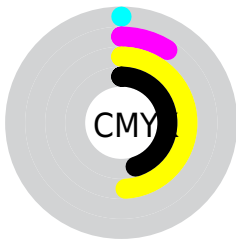
Distribution



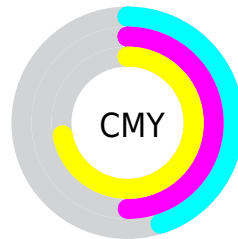
- Red (55%)
- Green (50%)
- Blue (28%)



- Red (34%)
- Yellow (55%)
- Blue (28%)



- Cyan (0%)
- Magenta (9%)
- Yellow (49%)
- Black (45%)





- Cyan (45%)
- Magenta (50%)
- Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.4687, 0.3918, 0.4276 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 21.4687, 0.3918, 0.4276 by changing the saturation by 10% instead.


 21.4687, 0.3918,
0.4276


 21.4687, 0.3918,
0.4276


259.7590, 0.3487,
0.3727


 13.4670, 0.4032,
0.4427


 45.8663, 0.3755,
0.4065


 7.7509, 0.4175,
0.4625


 63.0310, 0.3695,
0.3989


 3.9360, 0.4381,
0.4918


 84.0189, 0.3646,
0.3926

 1.6378, 0.4656,
0.5344

 109.2142, 0.3604,
0.3873

 0.3829, 0.4182,
0.5818

 139.0015, 0.3568,
0.3828

 0.0000, 0.0000,
0.0000

173.7652, 0.3537,

0.3790

213.8895, 0.3511,
0.3757

■ 21.4687, 0.3918,
0.4276

■ 21.4687, 0.3918,
0.4276

■ 20.6830, 0.4077,
0.4447

■ 22.3131, 0.3752,
0.4085

■ 19.9499, 0.4222,
0.4589

■ 23.2158, 0.3584,
0.3882

■ 19.2671, 0.4346,
0.4694

■ 24.1804, 0.3420,
0.3676

■ 18.6307, 0.4445,
0.4756

■ 25.2092, 0.3264,
0.3472

■ 18.0310, 0.4523,
0.4784

■ 26.3043, 0.3117,
0.3276

■ 17.9890, 0.4529,
0.4786

■ 27.4679, 0.2981,
0.3091

■ 28.7018, 0.2856,
0.2917

■ 30.0080, 0.2743,
0.2756

■ 31.3881, 0.2640,
0.2608

Harmonies

Analogous

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



21.4687, 0.4253, 0.3936



21.4687, 0.3918, 0.4276



21.4687, 0.3388, 0.4355

Triad

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



21.4687, 0.3918, 0.4276



21.4687, 0.2105, 0.2917



21.4687, 0.3372, 0.2667

Complementary

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



21.4687, 0.3918, 0.4276



9.4177, 0.2270, 0.2051

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.



21.4687, 0.2784, 0.2427



21.4687, 0.3918, 0.4276



21.4687, 0.2102, 0.2528

Square

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



21.4687, 0.3918, 0.4276



21.4687, 0.2352, 0.3490



21.4687, 0.2336, 0.2370



21.4687, 0.3937, 0.3043

Rectangle

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



21.4687, 0.3918, 0.4276



21.4687, 0.3000, 0.4199



21.4687, 0.2336, 0.2370



21.4687, 0.3169, 0.2569

Sweetspot

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



21.4697, 0.3918, 0.4276



43.3395, 0.3357, 0.3594



10.7158, 0.4189, 0.3063



9.9096, 0.3387, 0.3632



71.0566, 0.3127, 0.3290



10.6539, 0.3127, 0.3290

Same Dimension

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



21.4697, 0.3918, 0.4276



36.3390, 0.4091, 0.4462



23.0722, 0.3563, 0.4565



5.6996, 0.3262, 0.3469



16.0098, 0.4527, 0.4788



0.1244, 0.4345, 0.4932

Inverse Universe

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



9.4177, 0.2270, 0.2051



12.5962, 0.2065, 0.1724



8.7186, 0.2492, 0.1892



5.0238, 0.2991, 0.3104



2.2971, 0.1553, 0.0790



0.0304, 0.1720, 0.1393

Previews

White Background



This preview shows how the Yxy color 21.4687, 0.3918, 0.4276 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 21.4687, 0.3918, 0.4276 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

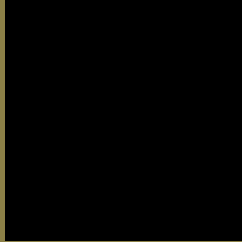
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.4687, 0.3918, 0.4276

Background



This preview shows how black text looks on a background with the Yxy color 21.4687, 0.3918, 0.4276.



This preview shows how white text looks on a background with the Yxy color 21.4687, 0.3918, 0.4276.

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

21.4687, 0.3918, 0.4276

Protanopia

21.4687, 0.3918, 0.4276

Deuteranopia

21.4549, 0.4167, 0.4093



Tritanopia

21.4244, 0.3321, 0.3122

Trichromacy



Original Color

21.4687, 0.3918, 0.4276

Protanomaly

21.4687, 0.3918, 0.4276

Deuteranomaly

21.3672, 0.4071, 0.4151

Tritanomaly

21.4487, 0.3555, 0.3551

Monochromacy



Original Color

21.4687, 0.3918, 0.4276

Achromatopsia

20.5079, 0.3127, 0.3290

Achromatomaly

20.6875, 0.3416, 0.3678

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.4687, 0.3918, 0.4276 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(140, 128, 71)` looks like.

```
.text, #text, p{  
    color:rgb(140, 128, 71)  
}
```

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(140, 128, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 128, 71) }
```

Border

The CSS property to change the border of an element to Yxy 21.4687, 0.3918, 0.4276 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(140, 128, 71) }
```

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

```
.border{ border-color:rgb(140, 128, 71) }
```

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

Here you see how a box with a 4 pixel rgb(140, 128, 71) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 128, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 128, 71);  
box-shadow:4px 4px 4px 4px rgb(140, 128,  
71) }
```


Background

The CSS property to change the background color of an element to Yxy 21.4687, 0.3918, 0.4276 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 128, 71) }
```

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

```
.background{ background-color: rgb(140,  
128, 71) }
```

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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