

Converting Colors

$Y_{xy}(21.9477, 0.3905, 0.4234)$

Have a look what the booklet for
Yxy(21.9477, 0.3905, 0.4234)
contains.

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Color

Yxy(21.9457, 0.3905, 0.4234)

Conversions

Conversions Part 1

Format	Color
Hex	8E814A
RGB	142, 129, 74
RGB Percent	56%, 51%, 29%
CMY	0.4432, 0.4941, 0.7098
CMYK	0.00, 0.09, 0.48, 0.44
HSL	49°, 31%, 42%
HSV	49°, 48%, 56%
XYZ	20.2404, 21.9457, 9.6459
YIQ	126.6170, 25.4030, -14.3490

Conversions

Conversions Part 2

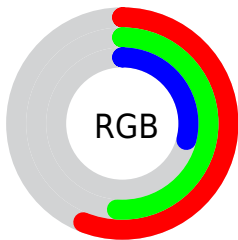
Format	Color
RYB	90, 142, 74
Decimal	9339210
CIELab	53.97, -3.01, 31.48
CIELCh	54, 31.623, 95.462
Yxy	21.9457, 0.3905, 0.4234
Android (android.graphics.Color)	4287529290 (0xFF8E814A)
YUV	126.6170, -25.9402, 13.4909
Hunter-Lab	46.8462, -4.8581, 20.5842

Details

The Yxy color **21.9457, 0.3905, 0.4234** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **10.2210, 0.2300, 0.2116**, and the grayscale version is **21.1692, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.7814, 0.3741, 0.4033**, and **7.9901, 0.4169, 0.4574** is the 20% darker color. If you saturate the color by 10%, you get **21.0715, 0.4070, 0.4406**, and if you desaturate by 10%, it is **22.8841, 0.3735, 0.4043**.

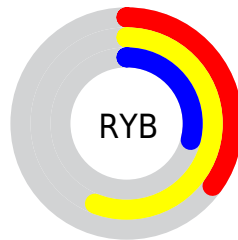
Distribution



Red (56%)

Green (51%)

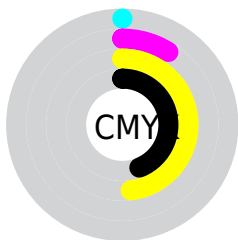
Blue (29%)



Red (35%)

Yellow (56%)

Blue (29%)

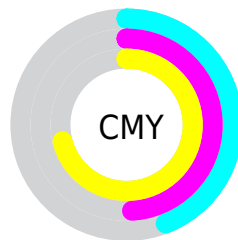


Cyan (0%)

Magenta (9%)

Yellow (48%)

Black (44%)



Cyan (44%)


Magenta (49%)


Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.9457, 0.3905, 0.4234 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 21.9457, 0.3905, 0.4234 by changing the saturation by 10% instead.


 21.9457, 0.3905,
0.4234


 21.9457, 0.3905,
0.4234


262.2626, 0.3481,
0.3711


 13.8170, 0.4018,
0.4378


 46.6562, 0.3744,
0.4032


 7.9935, 0.4162,
0.4567


 64.0069, 0.3686,
0.3960


 4.0908, 0.4356,
0.4831

 85.2003, 0.3637,
0.3900

 1.7245, 0.4697,
0.5303

 110.6208, 0.3596,
0.3850

 0.4394, 0.4392,
0.5608

 140.6529, 0.3561,
0.3807

 0.0000, 0.0000,
0.0000

175.6810, 0.3530,

0.3770

216.0894, 0.3504,
0.3739

■ 21.9457, 0.3905,
0.4234

■ 21.9457, 0.3905,
0.4234

■ 21.0715, 0.4070,
0.4406

■ 22.8841, 0.3735,
0.4043

■ 20.2553, 0.4222,
0.4551

■ 23.8865, 0.3565,
0.3843

■ 19.4948, 0.4356,
0.4658

■ 24.9564, 0.3400,
0.3640

■ 18.7859, 0.4464,
0.4724

■ 26.0963, 0.3243,
0.3442

■ 18.1208, 0.4549,
0.4751

■ 27.3085, 0.3097,
0.3251

■ 17.9835, 0.4567,
0.4756

■ 28.5952, 0.2963,
0.3070

■ 29.9582, 0.2840,
0.2902

■ 31.3997, 0.2729,
0.2746

■ 32.9214, 0.2628,
0.2602

Harmonies

Analogous

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



21.9457, 0.4218, 0.3905



21.9457, 0.3905, 0.4234



21.9457, 0.3398, 0.4316

Triad

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



21.9457, 0.3905, 0.4234



21.9457, 0.2144, 0.2948



21.9457, 0.3346, 0.2678

Complementary

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



21.9457, 0.3905, 0.4234



10.2210, 0.2300, 0.2116

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.



21.9457, 0.2781, 0.2451



21.9457, 0.3905, 0.4234



21.9457, 0.2132, 0.2564

Square

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



21.9457, 0.3905, 0.4234



21.9457, 0.2392, 0.3502



21.9457, 0.2353, 0.2403



21.9457, 0.3892, 0.3040

Rectangle

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



21.9457, 0.3905, 0.4234



21.9457, 0.3024, 0.4172



21.9457, 0.2353, 0.2403



21.9457, 0.3150, 0.2585

Sweetspot

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



21.9467, 0.3905, 0.4234



44.7227, 0.3342, 0.3568



11.3444, 0.4124, 0.3048



9.9043, 0.3373, 0.3606



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.



21.9467, 0.3905, 0.4234



37.1181, 0.4075, 0.4411



23.9460, 0.3566, 0.4524



6.1128, 0.3263, 0.3467



16.1735, 0.4565, 0.4757



0.1837, 0.4362, 0.4918

Inverse Universe

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



10.2210, 0.2300, 0.2116



14.0150, 0.2107, 0.1814



9.2497, 0.2498, 0.1928



5.4114, 0.2990, 0.3107



2.4839, 0.1560, 0.0816



0.0485, 0.1739, 0.1459

Previews

White Background



This preview shows how the Yxy color 21.9457, 0.3905, 0.4234 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 21.9457, 0.3905, 0.4234 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

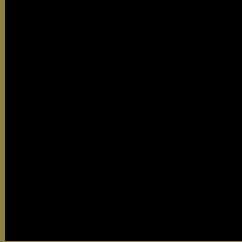
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.9457, 0.3905, 0.4234

Background



This preview shows how black text looks on a background with the Yxy color 21.9457, 0.3905, 0.4234.



This preview shows how white text looks on a background with the Yxy color 21.9457, 0.3905, 0.4234.

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

21.9457, 0.3905, 0.4234

Protanopia

21.9457, 0.3905, 0.4234

Deuteranopia

21.8420, 0.4137, 0.4060



Tritanopia

21.8809, 0.3332, 0.3124

Trichromacy



Original Color

21.9457, 0.3905, 0.4234

Protanomaly

21.9457, 0.3905, 0.4234

Deuteranomaly

21.8506, 0.4056, 0.4112

Tritanomaly

21.9259, 0.3552, 0.3531

Monochromacy



Original Color

21.9457, 0.3905, 0.4234

Achromatopsia

21.2231, 0.3127, 0.3290

Achromatomaly

21.4266, 0.3401, 0.3654

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.9457, 0.3905, 0.4234 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(142, 129, 74)` looks like.

```
.text, #text, p{  
    color:rgb(142, 129, 74)  
}
```

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(142, 129, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 129, 74) }
```

Border

The CSS property to change the border of an element to Yxy 21.9457, 0.3905, 0.4234 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(142, 129, 74) }
```

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

```
.border{ border-color:rgb(142, 129, 74) }
```

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

Here you see how a box with a 4 pixel rgb(142, 129, 74) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 129, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 129, 74);  
box-shadow:4px 4px 4px 4px rgb(142, 129,  
74) }
```


Background

The CSS property to change the background color of an element to Yxy 21.9457, 0.3905, 0.4234 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 129, 74) }
```

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

```
.background{ background-color: rgb(142,  
129, 74) }
```

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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