

Converting Colors

$Y_{xy}(21.8839, 0.4001, 0.4545)$

Have a look what the booklet for
Yxy(21.8839, 0.4001, 0.4545)
contains.

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Color

Yxy(21.9214, 0.4008, 0.4549)

Conversions

Conversions Part 1

Format	Color
Hex	8A8338
RGB	138, 131, 56
RGB Percent	54%, 51%, 22%
CMY	0.4587, 0.4863, 0.7804
CMYK	0.00, 0.05, 0.59, 0.46
HSL	55°, 42%, 38%
HSV	55°, 59%, 54%
XYZ	19.3143, 21.9214, 6.9537
YIQ	124.5430, 28.2470, -21.8410

Conversions

Conversions Part 2

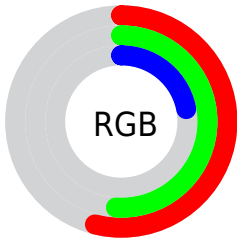
Format	Color
RYB	64, 138, 56
Decimal	9077560
CIELab	53.94, -7.52, 40.65
CIELCh	54, 41.339, 100.486
Yxy	21.9214, 0.4008, 0.4549
Android (android.graphics.Color)	4287267640 (0xFF8A8338)
YUV	124.5430, -33.7917, 11.8018
Hunter-Lab	46.8203, -8.3005, 23.9685

Details

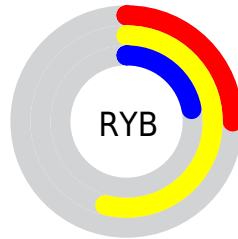
The Yxy color **21.9214, 0.4008, 0.4549** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **6.2340, 0.2047, 0.1596**, and the grayscale version is **20.4565, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.6590, 0.3835, 0.4287**, and **7.9725, 0.4232, 0.4977** is the 20% darker color. If you saturate the color by 10%, you get **21.4896, 0.4126, 0.4701**, and if you desaturate by 10%, it is **22.3961, 0.3872, 0.4366**.

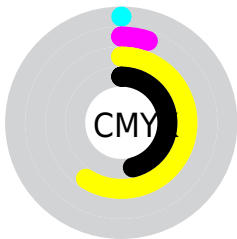
Distribution



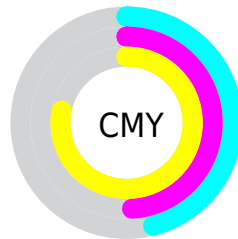
- Red (54%)
- Green (51%)
- Blue (22%)



- Red (25%)
- Yellow (54%)
- Blue (22%)



- Cyan (0%)
- Magenta (5%)
- Yellow (59%)
- Black (46%)





- Cyan (46%)
- Magenta (49%)
- Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.9214, 0.4008, 0.4549 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 21.9214, 0.4008, 0.4549 by changing the saturation by 10% instead.


 21.9214, 0.4008,
0.4549


 21.9214, 0.4008,
0.4549


262.1355, 0.3545,
0.3854


 13.7992, 0.4117,
0.4733


 46.6161, 0.3840,
0.4285

 7.9811, 0.4241,
0.4964


 63.9573, 0.3776,
0.4189


 4.0829, 0.4512,
0.5429

 85.1402, 0.3722,
0.4109

 1.7200, 0.4425,
0.5575

 110.5494, 0.3676,
0.4042

 0.4366, 0.3463,
0.6537

 140.5691, 0.3636,
0.3984

 0.0000, 0.0000,
0.0000

 175.5837, 0.3602,

0.3935

215.9778, 0.3571,
0.3892

■ 21.9214, 0.4008,
0.4549

■ 21.9214, 0.4008,
0.4549

■ 21.4896, 0.4126,
0.4701

■ 22.3961, 0.3872,
0.4366

■ 21.0945, 0.4223,
0.4814

■ 22.9135, 0.3724,
0.4161

■ 20.7334, 0.4293,
0.4887

■ 23.4771, 0.3570,
0.3942

■ 20.3967, 0.4345,
0.4928

■ 24.0892, 0.3415,
0.3717

■ 20.3777, 0.4348,
0.4930

■ 24.7520, 0.3264,
0.3494

■ 25.4675, 0.3119,
0.3278

■ 26.2376, 0.2983,
0.3072

■ 27.0642, 0.2857,
0.2879

■ 27.9489, 0.2740,
0.2700

Harmonies

Analogous

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



21.9214, 0.4483, 0.4124



21.9214, 0.4008, 0.4549



21.9214, 0.3329, 0.4633

Triad

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



21.9214, 0.4008, 0.4549



21.9214, 0.1860, 0.2723



21.9214, 0.3531, 0.2580

Complementary

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



21.9214, 0.4008, 0.4549



6.2340, 0.2047, 0.1596

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.



21.9214, 0.2784, 0.2268



21.9214, 0.4008, 0.4549



21.9214, 0.1899, 0.2300

Square

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



21.9214, 0.4008, 0.4549



21.9214, 0.2107, 0.3423



21.9214, 0.2212, 0.2162



21.9214, 0.4227, 0.3043

Rectangle

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



21.9214, 0.4008, 0.4549



21.9214, 0.2855, 0.4397



21.9214, 0.2212, 0.2162



21.9214, 0.3274, 0.2456

Sweetspot

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



21.9224, 0.4008, 0.4549



42.5625, 0.3399, 0.3694



8.6057, 0.4700, 0.3152



9.4822, 0.3439, 0.3751



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.



21.9224, 0.4008, 0.4549



37.6425, 0.4159, 0.4740



21.4859, 0.3542, 0.4860



5.7729, 0.3260, 0.3488



18.6865, 0.4347, 0.4930



0.1341, 0.4263, 0.4997

Inverse Universe

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



6.2340, 0.2047, 0.1596



7.4720, 0.1815, 0.1206



6.7779, 0.2422, 0.1625



4.9567, 0.2991, 0.3084



1.9302, 0.1522, 0.0678



0.0207, 0.1618, 0.1023

Previews

White Background



This preview shows how the Yxy color 21.9214, 0.4008, 0.4549 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 21.9214, 0.4008, 0.4549 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

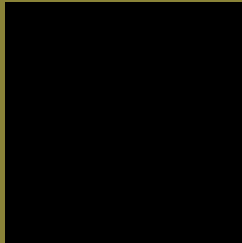
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.9214, 0.4008, 0.4549

Background



This preview shows how black text looks on a background with the Yxy color 21.9214, 0.4008, 0.4549.



This preview shows how white text looks on a background with the Yxy color 21.9214, 0.4008, 0.4549.

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

21.9214, 0.4008, 0.4549

Protanopia

21.8160, 0.4100, 0.4502

Deuteranopia

21.9450, 0.4351, 0.4274



Tritanopia

21.8791, 0.3281, 0.3122

Trichromacy



Original Color

21.9214, 0.4008, 0.4549

Protanomaly

21.9038, 0.4064, 0.4529

Deuteranomaly

21.8925, 0.4228, 0.4377

Tritanomaly

21.6924, 0.3570, 0.3658

Monochromacy



Original Color

21.9214, 0.4008, 0.4549

Achromatopsia

20.5079, 0.3127, 0.3290

Achromatomaly

20.8447, 0.3471, 0.3789

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.9214, 0.4008, 0.4549 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(138, 131, 56)` looks like.

```
.text, #text, p{  
    color:rgb(138, 131, 56)  
}
```

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(138, 131, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 131, 56) }
```

Border

The CSS property to change the border of an element to Yxy 21.9214, 0.4008, 0.4549 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(138, 131, 56) }
```

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

```
.border{ border-color:rgb(138, 131, 56) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 131, 56)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(138, 131, 56); -webkit-box-shadow:4px 4px 4px 4px rgb(138, 131, 56); box-shadow:4px 4px 4px 4px rgb(138, 131, 56) }
```


Background

The CSS property to change the background color of an element to Yxy 21.9214, 0.4008, 0.4549 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 131, 56) }
```

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

```
.background{ background-color: rgb(138,  
131, 56) }
```

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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