

Converting Colors

$Y_{xy}(21.8221, 0.4068, 0.4058)$

Have a look what the booklet for
Yxy(21.8221, 0.4068, 0.4058)
contains.

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Color

Yxy(21.8211, 0.4068, 0.4058)

Conversions

Conversions Part 1

Format	Color
Hex	9A7C4D
RGB	154, 124, 77
RGB Percent	60%, 49%, 30%
CMY	0.3960, 0.5137, 0.6981
CMYK	0.00, 0.19, 0.50, 0.40
HSL	37°, 33%, 45%
HSV	37°, 50%, 60%
XYZ	21.8749, 21.8211, 10.0771
YIQ	127.6120, 32.9670, -8.2570

Conversions

Conversions Part 2

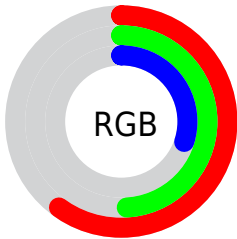
Format	Color
R _Y B	126, 154, 77
Decimal	10124365
CIE Lab	53.84, 5.39, 29.94
CIE LCh	54, 30.423, 79.792
Yxy	21.8211, 0.4068, 0.4058
Android (android.graphics.Color)	4288314445 (0xFF9A7C4D)
YUV	127.6120, -24.9517, 23.1423
Hunter-Lab	46.7131, 1.8404, 19.9089

Details

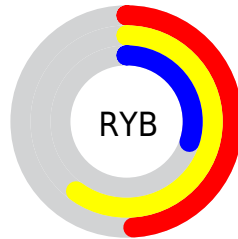
The Yxy color **21.8211, 0.4068, 0.4058** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **14.4254, 0.2312, 0.2357**, and the grayscale version is **21.5248, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.2846, 0.3866, 0.3896**, and **7.8978, 0.4414, 0.4288** is the 20% darker color. If you saturate the color by 10%, you get **20.1712, 0.4293, 0.4190**, and if you desaturate by 10%, it is **23.6162, 0.3850, 0.3908**.

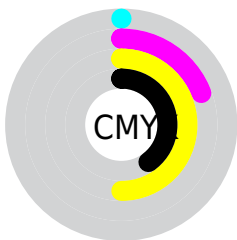
Distribution



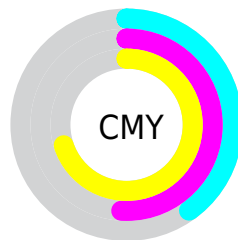
- Red (60%)
- Green (49%)
- Blue (30%)



- Red (49%)
- Yellow (60%)
- Blue (30%)



- Cyan (0%)
- Magenta (19%)
- Yellow (50%)
- Black (40%)





- Cyan (40%)
- Magenta (51%)
- Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.8211, 0.4068, 0.4058 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 21.8211, 0.4068, 0.4058 by changing the saturation by 10% instead.


 21.8211, 0.4068,
0.4058


 21.8211, 0.4068,
0.4058


261.6106, 0.3546,
0.3644


 13.7255, 0.4213,
0.4166


 46.4501, 0.3867,
0.3903

 7.9300, 0.4404,
0.4301


 63.7524, 0.3794,
0.3846


 4.0502, 0.4665,
0.4473

 84.8923, 0.3735,
0.3798

 1.7017, 0.5181,
0.4819

 110.2542, 0.3684,
0.3758

 0.4247, 0.5576,
0.4424

 140.2226, 0.3642,
0.3723

 0.0000, 0.0000,
0.0000

175.1819, 0.3605,

0.3693

215.5164, 0.3574,
0.3667

■ 21.8211, 0.4068,
0.4058

■ 21.8211, 0.4068,
0.4058

■ 20.1712, 0.4293,
0.4190

■ 23.6162, 0.3850,
0.3908

■ 18.6579, 0.4516,
0.4294

■ 25.5582, 0.3644,
0.3751

■ 17.2766, 0.4725,
0.4359

■ 27.6527, 0.3454,
0.3592

■ 16.0206, 0.4910,
0.4376

■ 29.9041, 0.3282,
0.3438

■ 14.8774, 0.5073,
0.4354

■ 32.3165, 0.3127,
0.3290

■ 34.8937, 0.2990,
0.3152

■ 37.6396, 0.2867,
0.3023

■ 40.5578, 0.2759,
0.2904

■ 43.6517, 0.2663,
0.2795

Harmonies

Analogous

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



21.8211, 0.4222, 0.3675



21.8211, 0.4068, 0.4058



21.8211, 0.3661, 0.4276

Triad

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



21.8211, 0.4068, 0.4058



21.8211, 0.2274, 0.3229



21.8211, 0.3045, 0.2563

Complementary

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



21.8211, 0.4068, 0.4058



14.4254, 0.2312, 0.2357

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.



21.8211, 0.2554, 0.2429



21.8211, 0.4068, 0.4058



21.8211, 0.2142, 0.2759

Square

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



21.8211, 0.4068, 0.4058



21.8211, 0.2626, 0.3783



21.8211, 0.2239, 0.2487



21.8211, 0.3604, 0.2853

Rectangle

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



21.8211, 0.4068, 0.4058



21.8211, 0.3313, 0.4260



21.8211, 0.2239, 0.2487



21.8211, 0.2867, 0.2499

Sweetspot

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



21.8221, 0.4068, 0.4058



52.1160, 0.3371, 0.3519



13.2552, 0.3921, 0.2783



11.6160, 0.3405, 0.3549



78.7412, 0.3127, 0.3290



13.2868, 0.3127, 0.3290

Same Dimension

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



21.8221, 0.4068, 0.4058



36.2965, 0.4320, 0.4204



29.7902, 0.3755, 0.4510



6.8185, 0.3269, 0.3426



12.1898, 0.5064, 0.4361



0.2526, 0.4611, 0.4720

Inverse Universe

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



14.4254, 0.2312, 0.2357



21.3226, 0.2132, 0.2101



9.5558, 0.2280, 0.1785



6.4014, 0.2988, 0.3151



4.5996, 0.1687, 0.1271



0.1363, 0.1913, 0.2086

Previews

White Background



This preview shows how the Yxy color 21.8211, 0.4068, 0.4058 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 21.8211, 0.4068, 0.4058 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 21.8211, 0.4068, 0.4058

Background



This preview shows how black text looks on a background with the Yxy color 21.8211, 0.4068, 0.4058.



This preview shows how white text looks on a background with the Yxy color 21.8211, 0.4068, 0.4058.

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

21.8211, 0.4068, 0.4058

Protanopia

21.9277, 0.3839, 0.4158

Deuteranopia

21.7697, 0.4102, 0.4034



Tritanopia

21.8601, 0.3542, 0.3147

Trichromacy



Original Color

21.8211, 0.4068, 0.4058

Protanomaly

21.8398, 0.3929, 0.4122

Deuteranomaly

21.6703, 0.4089, 0.4039

Tritanomaly

21.7052, 0.3740, 0.3472

Monochromacy



Original Color

21.8211, 0.4068, 0.4058

Achromatopsia

21.5861, 0.3127, 0.3290

Achromatomaly

21.6012, 0.3455, 0.3611

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.8211, 0.4068, 0.4058 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(154, 124, 77)` looks like.

```
.text, #text, p{  
    color:rgb(154, 124, 77)  
}
```

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(154, 124, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 124, 77) }
```

Border

The CSS property to change the border of an element to Yxy 21.8211, 0.4068, 0.4058 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(154, 124, 77) }
```

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

```
.border{ border-color:rgb(154, 124, 77) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 124, 77)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 124, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 124, 77);  
box-shadow:4px 4px 4px 4px rgb(154, 124,  
77) }
```


Background

The CSS property to change the background color of an element to Yxy 21.8211, 0.4068, 0.4058 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 124, 77) }
```

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

```
.background{ background-color: rgb(154,  
124, 77) }
```

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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