

Converting Colors

$Y_{xy}(21.9060, 0.3510, 0.3702)$

Have a look what the booklet for
Yxy(21.9060, 0.3510, 0.3702)
contains.

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Color

Yxy(21.8615, 0.3511, 0.3699)

Conversions

Conversions Part 1

Format	Color
Hex	8A8069
RGB	138, 128, 105
RGB Percent	54%, 50%, 41%
CMY	0.4588, 0.4980, 0.5883
CMYK	0.00, 0.07, 0.24, 0.46
HSL	42°, 14%, 48%
HSV	42°, 24%, 54%
XYZ	20.7504, 21.8615, 16.4892
YIQ	128.3680, 13.3430, -5.0330

Conversions

Conversions Part 2

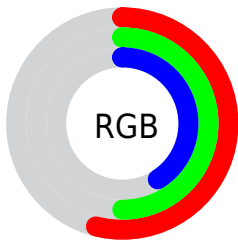
Format	Color
R_{YB}	119, 138, 105
Decimal	9076841
CIE Lab	53.88, -0.14, 13.88
CIE LCh	54, 13.878, 90.565
Yxy	21.8615, 0.3511, 0.3699
Android (android.graphics.Color)	4287266921 (0xFF8A8069)
YUV	128.3680, -11.5204, 8.4473
Hunter-Lab	46.7563, -2.6053, 11.8200

Details

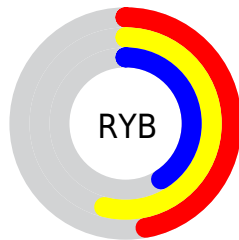
The Yxy color **21.8615, 0.3511, 0.3699** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **17.0989, 0.2752, 0.2844**, and the grayscale version is **21.7587, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.6545, 0.3430, 0.3615**, and **7.9722, 0.3664, 0.3852** is the 20% darker color. If you saturate the color by 10%, you get **20.5329, 0.3693, 0.3876**, and if you desaturate by 10%, it is **23.2831, 0.3341, 0.3524**.

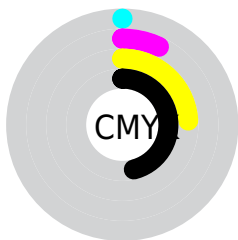
Distribution



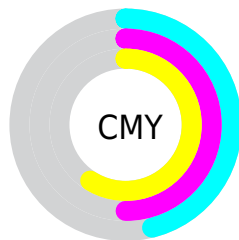
- Red (54%)
- Green (50%)
- Blue (41%)



- Red (47%)
- Yellow (54%)
- Blue (41%)



- Cyan (0%)
- Magenta (7%)
- Yellow (24%)
- Black (46%)





- Cyan (46%)
- Magenta (50%)
- Yellow (59%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.8615, 0.3511, 0.3699 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 21.8615, 0.3511, 0.3699 by changing the saturation by 10% instead.

 21.8615, 0.3511,
0.3699


 21.8615, 0.3511,
0.3699


261.8221, 0.3296,
0.3469


 13.7552, 0.3574,
0.3766


 46.5170, 0.3426,
0.3609


 7.9506, 0.3662,
0.3860


 63.8349, 0.3396,
0.3577

 4.0633, 0.3790,
0.3997

 84.9922, 0.3372,
0.3551

 1.7091, 0.4017,
0.4240

 110.3732, 0.3352,
0.3529

 0.4295, 0.4853,
0.5147

140.3622, 0.3334,
0.3511

 0.0000, 0.0000,
0.0000

175.3438, 0.3320,

0.3495

215.7023, 0.3307,
0.3481

■ 21.8615, 0.3511,
0.3699

■ 21.8615, 0.3511,
0.3699

■ 20.5329, 0.3693,
0.3876

■ 23.2831, 0.3341,
0.3524

■ 19.2915, 0.3885,
0.4049

■ 24.7974, 0.3185,
0.3354

■ 18.1355, 0.4081,
0.4210

■ 26.4077, 0.3042,
0.3193

■ 17.0616, 0.4274,
0.4349

■ 28.1164, 0.2914,
0.3043

■ 16.0663, 0.4456,
0.4456

■ 29.9258, 0.2799,
0.2903

■ 15.1458, 0.4619,
0.4522

■ 31.8380, 0.2696,
0.2774

■ 14.2952, 0.4755,
0.4542

■ 33.8551, 0.2604,
0.2656

■ 13.8041, 0.4833,
0.4544

■ 35.9790, 0.2522,
0.2548

■ 38.2118, 0.2449,
0.2448

Harmonies

Analogous

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



21.8615, 0.3618, 0.3559



21.8615, 0.3511, 0.3699



21.8615, 0.3302, 0.3730

Triad

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



21.8615, 0.3511, 0.3699



21.8615, 0.2686, 0.3191



21.8615, 0.3189, 0.2982

Complementary

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



21.8615, 0.3511, 0.3699



17.0989, 0.2752, 0.2844

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.



21.8615, 0.2941, 0.2886



21.8615, 0.3511, 0.3699



21.8615, 0.2658, 0.2996

Square

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



21.8615, 0.3511, 0.3699



21.8615, 0.2828, 0.3427



21.8615, 0.2749, 0.2889



21.8615, 0.3429, 0.3151

Rectangle

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



21.8615, 0.3511, 0.3699



21.8615, 0.3135, 0.3677



21.8615, 0.2749, 0.2889



21.8615, 0.3103, 0.2940

Sweetspot

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



21.8625, 0.3511, 0.3699



42.8264, 0.3233, 0.3408



16.7541, 0.3453, 0.3102



9.5775, 0.3241, 0.3416



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.



21.8625, 0.3511, 0.3699



37.1786, 0.3614, 0.3800



24.0996, 0.3403, 0.3878



5.5934, 0.3265, 0.3442



12.6819, 0.4830, 0.4547



0.1101, 0.4485, 0.4821

Inverse Universe

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



17.0989, 0.2752, 0.2844



27.1972, 0.2654, 0.2721



15.3200, 0.2809, 0.2657



5.1234, 0.2991, 0.3133



3.2119, 0.1625, 0.1050



0.0447, 0.1846, 0.1847

Previews

White Background



This preview shows how the Yxy color 21.8615, 0.3511, 0.3699 looks on a white background.

Color Contrast Check

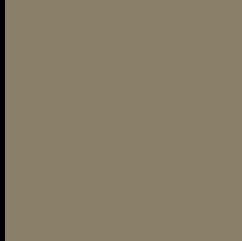
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.8615, 0.3511, 0.3699 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

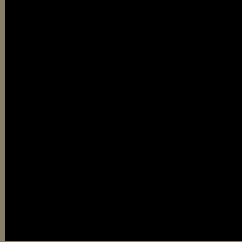
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.8615, 0.3511, 0.3699

Background



This preview shows how black text looks on a background with the Yxy color 21.8615, 0.3511, 0.3699.



This preview shows how white text looks on a background with the Yxy color 21.8615, 0.3511, 0.3699.

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

21.8615, 0.3511, 0.3699

Protanopia

21.9547, 0.3482, 0.3719

Deuteranopia

21.8455, 0.3656, 0.3597



Tritanopia

21.8873, 0.3232, 0.3121

Trichromacy



Original Color

21.8615, 0.3511, 0.3699

Protanomaly

22.0388, 0.3495, 0.3718

Deuteranomaly

21.7276, 0.3600, 0.3619

Tritanomaly

21.7600, 0.3346, 0.3325

Monochromacy



Original Color

21.8615, 0.3511, 0.3699

Achromatopsia

21.5861, 0.3127, 0.3290

Achromatomaly

21.6999, 0.3264, 0.3434

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.8615, 0.3511, 0.3699 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, 128, 105)` looks like.

```
.text, #text, p{  
    color:rgb(138, 128, 105)  
}
```

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, 128, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 128, 105) }
```

Border

The CSS property to change the border of an element to Yxy 21.8615, 0.3511, 0.3699 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, 128, 105) }
```

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

```
.border{ border-color:rgb(138, 128, 105) }
```

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

Here you see how a box with a 4 pixel rgb(138, 128, 105) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 128, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 128, 105);  
box-shadow:4px 4px 4px 4px rgb(138, 128,  
105) }
```


Background

The CSS property to change the background color of an element to Yxy 21.8615, 0.3511, 0.3699 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 128, 105) }
```

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

```
.background{ background-color: rgb(138,  
128, 105) }
```

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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