

Converting Colors

$Y_{xy}(21.4871, 0.4002, 0.3554)$

Have a look what the booklet for
Yxy(21.4871, 0.4002, 0.3554)
contains.

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Color

Yxy(21.4986, 0.4011, 0.3559)

Conversions

Conversions Part 1

Format	Color
Hex	A67463
RGB	166, 116, 99
RGB Percent	65%, 45%, 39%
CMY	0.3489, 0.5451, 0.6117
CMYK	0.00, 0.30, 0.40, 0.35
HSL	15°, 27%, 52%
HSV	15°, 40%, 65%
XYZ	24.2290, 21.4986, 14.6787
YIQ	129.0120, 35.2570, 5.3130

Conversions

Conversions Part 2

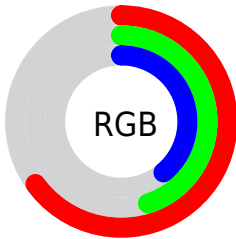
Format	Color
R_{YB}	166, 122, 99
Decimal	10908771
CIE _{Lab}	53.49, 17.50, 17.26
CIE _{LCh}	53, 24.581, 44.604
Yxy	21.4986, 0.4011, 0.3559
Android (android.graphics.Color)	4289098851 (0xFFA67463)
YUV	129.0120, -14.7959, 32.4385
Hunter-Lab	46.3666, 12.1341, 13.6866

Details

The Yxy color **21.4986, 0.4011, 0.3559** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **26.9195, 0.2538, 0.2998**, and the grayscale version is **22.0020, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.8952, 0.3815, 0.3506**, and **7.7070, 0.4378, 0.3625** is the 20% darker color. If you saturate the color by 10%, you get **18.5444, 0.4332, 0.3622**, and if you desaturate by 10%, it is **24.9016, 0.3733, 0.3490**.

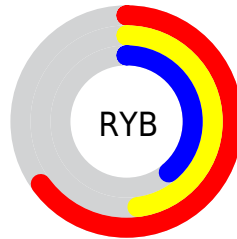
Distribution



Red (65%)

Green (45%)

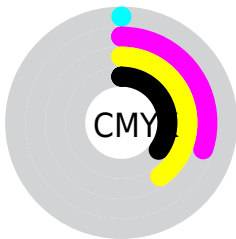
Blue (39%)



Red (65%)

Yellow (48%)

Blue (39%)

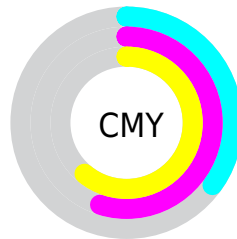


Cyan (0%)

Magenta (30%)

Yellow (40%)

Black (35%)



Cyan (35%)


Magenta (55%)


Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.4986, 0.4011, 0.3559 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 21.4986, 0.4011, 0.3559 by changing the saturation by 10% instead.


 21.4986, 0.4011,
0.3559


 21.4986, 0.4011,
0.3559


259.9165, 0.3508,
0.3423


 13.4889, 0.4160,
0.3591


 45.9159, 0.3812,
0.3511

 7.7661, 0.4368,
0.3627


 63.0923, 0.3742,
0.3492

 3.9456, 0.4674,
0.3666

 84.0931, 0.3685,
0.3476

 1.6432, 0.5272,
0.3767

 109.3027, 0.3638,
0.3462

 0.3865, 0.6728,
0.3272

139.1054, 0.3598,
0.3451

 0.0000, 0.0000,
0.0000

173.8857, 0.3564,

0.3440

214.0279, 0.3534,
0.3431

■ 21.4986, 0.4011,
0.3559

■ 21.4986, 0.4011,
0.3559

■ 18.5444, 0.4332,
0.3622

■ 24.9016, 0.3733,
0.3490

■ 16.0169, 0.4692,
0.3672

■ 28.7681, 0.3497,
0.3421

■ 13.8967, 0.5076,
0.3698


■ 33.1160, 0.3299,
0.3355


■ 12.1614, 0.5456,
0.3692

■ 37.9614, 0.3133,
0.3292

■ 10.7865, 0.5792,
0.3644


■ 43.3195, 0.2994,
0.3234

 9.7710, 0.6057,
0.3573

 49.2048, 0.2877,
0.3182

 55.6314, 0.2778,
0.3133

 62.6127, 0.2695,
0.3090

 70.1618, 0.2624,
0.3050

Harmonies

Analogous

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



21.4986, 0.3827, 0.3201



21.4986, 0.4011, 0.3559



21.4986, 0.3936, 0.3882

Triad

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



21.4986, 0.4011, 0.3559



21.4986, 0.2788, 0.3756



21.4986, 0.2601, 0.2574

Complementary

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



21.4986, 0.4011, 0.3559



26.9195, 0.2538, 0.2998

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.



21.4986, 0.2366, 0.2659



21.4986, 0.4011, 0.3559



21.4986, 0.2465, 0.3324

Square

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



21.4986, 0.4011, 0.3559



21.4986, 0.3216, 0.4043



21.4986, 0.2317, 0.2921



21.4986, 0.2988, 0.2657

Rectangle

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



21.4986, 0.4011, 0.3559



21.4986, 0.3757, 0.4032



21.4986, 0.2317, 0.2921



21.4986, 0.2503, 0.2583

Sweetspot

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



21.4996, 0.4011, 0.3559



58.5457, 0.3333, 0.3367



19.2146, 0.3385, 0.2536



12.8767, 0.3356, 0.3375



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



21.4996, 0.4011, 0.3559



34.3837, 0.4282, 0.3613



30.5945, 0.3808, 0.4049



7.8397, 0.3280, 0.3348



7.6390, 0.6041, 0.3585



0.2651, 0.5423, 0.4076

Inverse Universe

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



26.9195, 0.2538, 0.2998



45.4858, 0.2428, 0.2925



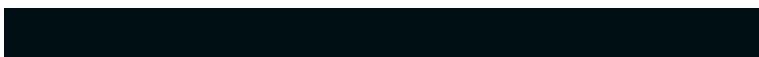
17.8440, 0.2444, 0.2390



8.2054, 0.2987, 0.3231



13.3803, 0.2018, 0.2463



0.4002, 0.2102, 0.2767

Previews

White Background



This preview shows how the Yxy color 21.4986, 0.4011, 0.3559 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 21.4986, 0.4011, 0.3559 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

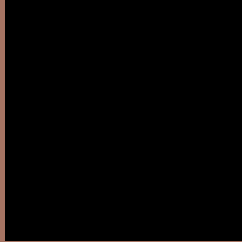
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.4986, 0.4011, 0.3559

Background



This preview shows how black text looks on a background with the Yxy color 21.4986, 0.4011, 0.3559.



This preview shows how white text looks on a background with the Yxy color 21.4986, 0.4011, 0.3559.

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

21.4986, 0.4011, 0.3559

Protanopia

21.6925, 0.3486, 0.3702

Deuteranopia

21.6271, 0.3786, 0.3713



Tritanopia

21.5156, 0.3755, 0.3168

Trichromacy



Original Color

21.4986, 0.4011, 0.3559

Protanomaly

21.5976, 0.3667, 0.3652

Deuteranomaly

21.3827, 0.3868, 0.3655

Tritanomaly

21.4424, 0.3846, 0.3308

Monochromacy



Original Color

21.4986, 0.4011, 0.3559

Achromatopsia

21.9526, 0.3127, 0.3290

Achromatomaly

21.4741, 0.3420, 0.3395

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.4986, 0.4011, 0.3559 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(166, 116, 99)` looks like.

```
.text, #text, p{  
    color:rgb(166, 116, 99)  
}
```

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(166, 116, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 116, 99) }
```

Border

The CSS property to change the border of an element to Yxy 21.4986, 0.4011, 0.3559 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(166, 116, 99) }
```

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

```
.border{ border-color:rgb(166, 116, 99) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 116, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 116, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 116, 99);  
box-shadow:4px 4px 4px 4px rgb(166, 116,  
99) }
```


Background

The CSS property to change the background color of an element to Yxy 21.4986, 0.4011, 0.3559 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 116, 99) }
```

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

```
.background{ background-color: rgb(166,  
116, 99) }
```

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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