

Converting Colors

$Y_{xy}(21.1299, 0.3906, 0.3355)$

Have a look what the booklet for
Yxy(21.1299, 0.3906, 0.3355)
contains.

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Color

Yxy(21.1299, 0.3906, 0.3355)

Conversions

Conversions Part 1

Format	Color
Hex	A7716D
RGB	167, 113, 109
RGB Percent	65%, 44%, 43%
CMY	0.3451, 0.5568, 0.5725
CMYK	0.00, 0.32, 0.35, 0.35
HSL	4°, 25%, 54%
HSV	4°, 35%, 65%
XYZ	24.6001, 21.1299, 17.2503
YIQ	128.6900, 33.4680, 10.2040

Conversions

Conversions Part 2

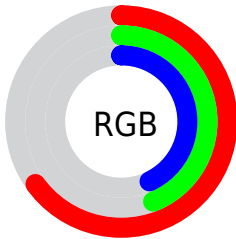
Format	Color
R_{YB}	167, 113, 109
Decimal	10973549
CIE _{Lab}	53.09, 20.83, 10.90
CIE _{LCh}	53, 23.515, 27.623
Yxy	21.1299, 0.3906, 0.3355
Android (android.graphics.Color)	4289163629 (0xFFA7716D)
YUV	128.6900, -9.7072, 33.5979
Hunter-Lab	45.9673, 15.0844, 9.9271

Details

The Yxy color **21.1299, 0.3906, 0.3355** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **32.2287, 0.2638, 0.3223**, and the grayscale version is **21.8653, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.1363, 0.3729, 0.3351**, and **7.5253, 0.4219, 0.3338** is the 20% darker color. If you saturate the color by 10%, you get **17.6279, 0.4248, 0.3374**, and if you desaturate by 10%, it is **25.2964, 0.3622, 0.3335**.

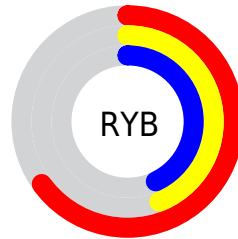
Distribution



Red (65%)

Green (44%)

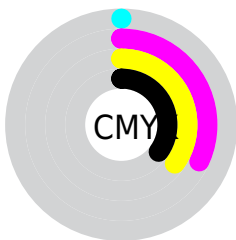
Blue (43%)



Red (65%)

Yellow (44%)

Blue (43%)

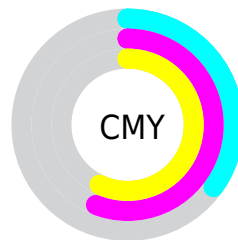


Cyan (0%)

Magenta (32%)

Yellow (35%)

Black (35%)



Cyan (35%)


Magenta (56%)


Yellow (57%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.1299, 0.3906, 0.3355 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 21.1299, 0.3906, 0.3355 by changing the saturation by 10% instead.


 21.1299, 0.3906,
0.3355


 21.1299, 0.3906,
0.3355


257.9680, 0.3461,
0.3329

 13.2190, 0.4040,
0.3357

 45.3036, 0.3729,
0.3348

 7.5795, 0.4228,
0.3356


 62.3352, 0.3667,
0.3345

 3.8271, 0.4510,
0.3345

 83.1758, 0.3617,
0.3341

 1.5773, 0.4984,
0.3306

 108.2099, 0.3575,
0.3338

 0.3422, 0.7090,
0.2910

137.8217, 0.3540,
0.3336

 0.0000, 0.0000,
0.0000

172.3958, 0.3510,

0.3333

212.3164, 0.3484,
0.3331

■ 21.1299, 0.3906,
0.3355

■ 21.1299, 0.3906,
0.3355

■ 17.6279, 0.4248,
0.3374

■ 25.2964, 0.3622,
0.3335

■ 14.7532, 0.4648,
0.3389

■ 30.1560, 0.3391,
0.3316

■ 12.4695, 0.5092,
0.3397


■ 35.7394, 0.3203,
0.3298


■ 10.7358, 0.5544,
0.3395


■ 42.0745, 0.3051,
0.3281


■ 9.5056, 0.5945,
0.3379


■ 49.1877, 0.2927,
0.3266


 8.7248, 0.6233,
0.3351

 57.1043, 0.2825,
0.3253

 8.4662, 0.6344,
0.3344

 65.8483, 0.2742,
0.3240

 75.4426, 0.2673,
0.3229

 85.6299, 0.2635,
0.3266

Harmonies

Analogous

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



21.1299, 0.3607, 0.3022



21.1299, 0.3906, 0.3355



21.1299, 0.3977, 0.3695

Triad

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



21.1299, 0.3906, 0.3355



21.1299, 0.3029, 0.3919



21.1299, 0.2470, 0.2625

Complementary

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



21.1299, 0.3906, 0.3355



32.2287, 0.2638, 0.3223

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.



21.1299, 0.2343, 0.2806



21.1299, 0.3906, 0.3355



21.1299, 0.2648, 0.3565

Square

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



21.1299, 0.3906, 0.3355



21.1299, 0.3453, 0.4063



21.1299, 0.2404, 0.3144



21.1299, 0.2768, 0.2615

Rectangle

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



21.1299, 0.3906, 0.3355



21.1299, 0.3886, 0.3888



21.1299, 0.2404, 0.3144



21.1299, 0.2407, 0.2666

Sweetspot

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



21.1309, 0.3906, 0.3355



58.3958, 0.3301, 0.3308



21.8008, 0.3211, 0.2498



12.7700, 0.3327, 0.3310



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.



21.1309, 0.3906, 0.3355



32.7168, 0.4176, 0.3370



28.6232, 0.3756, 0.3793



7.6225, 0.3284, 0.3306



6.5085, 0.6336, 0.3351



0.1836, 0.6064, 0.3567

Inverse Universe

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



32.2287, 0.2638, 0.3223



55.7306, 0.2543, 0.3206



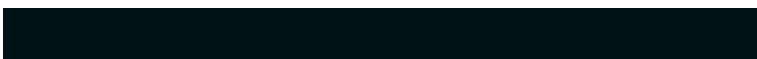
23.1271, 0.2573, 0.2727



8.4420, 0.2987, 0.3274



20.2197, 0.2188, 0.3077



0.5174, 0.2209, 0.3152

Previews

White Background



This preview shows how the Yxy color 21.1299, 0.3906, 0.3355 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 21.1299, 0.3906, 0.3355 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

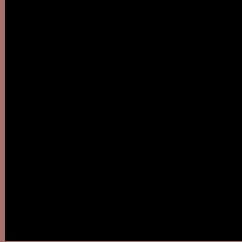
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.1299, 0.3906, 0.3355

Background



This preview shows how black text looks on a background with the Yxy color 21.1299, 0.3906, 0.3355.



This preview shows how white text looks on a background with the Yxy color 21.1299, 0.3906, 0.3355.

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

21.1299, 0.3906, 0.3355

Protanopia

21.3452, 0.3311, 0.3489

Deuteranopia

21.0916, 0.3614, 0.3550



Tritanopia

21.0498, 0.3777, 0.3152

Trichromacy



Original Color

21.1299, 0.3906, 0.3355

Protanomaly

21.1311, 0.3526, 0.3447

Deuteranomaly

21.1464, 0.3719, 0.3475

Tritanomaly

21.1741, 0.3828, 0.3230

Monochromacy



Original Color

21.1299, 0.3906, 0.3355

Achromatopsia

21.9526, 0.3127, 0.3290

Achromatomaly

21.4107, 0.3387, 0.3308

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.1299, 0.3906, 0.3355 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(167, 113, 109)` looks like.

```
.text, #text, p{  
    color:rgb(167, 113, 109)  
}
```

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(167, 113, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 113, 109) }
```

Border

The CSS property to change the border of an element to Yxy 21.1299, 0.3906, 0.3355 is called "border". The border property can be set on classes, ids or directly on the HTML element.

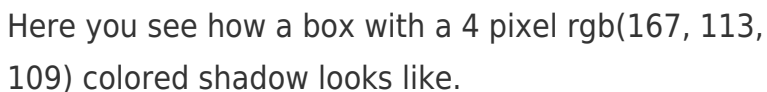
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(167, 113, 109) }
```

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

```
.border{ border-color:rgb(167, 113, 109) }
```

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



Here you see how a box with a 4 pixel `rgb(167, 113, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(167, 113, 109); -webkit-box-shadow:4px 4px 4px 4px rgb(167, 113, 109); box-shadow:4px 4px 4px 4px rgb(167, 113, 109) }
```


Background

The CSS property to change the background color of an element to Yxy 21.1299, 0.3906, 0.3355 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 113, 109) }
```

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

```
.background{ background-color: rgb(167,  
113, 109) }
```

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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