

Converting Colors

$Y_{xy}(21.7221, 0.4279, 0.3877)$

Have a look what the booklet for
Yxy(21.7221, 0.4279, 0.3877)
contains.

Yxy(21.6119, 0.4284, 0.3870)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(21.6119, 0.4284, 0.3870)

Conversions

Conversions Part 1

Format	Color
Hex	A8754F
RGB	168, 117, 79
RGB Percent	66%, 46%, 31%
CMY	0.3411, 0.5412, 0.6902
CMYK	0.00, 0.30, 0.53, 0.34
HSL	26°, 36%, 48%
HSV	26°, 53%, 66%
XYZ	23.9239, 21.6119, 10.3089
YIQ	127.9170, 42.5940, -1.0060

Conversions

Conversions Part 2

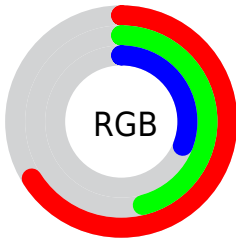
Format	Color
R_{YB}	168, 145, 79
Decimal	11040079
CIE _{Lab}	53.61, 15.64, 28.87
CIE _{LCh}	54, 32.831, 61.551
Yxy	21.6119, 0.4284, 0.3870
Android (android.graphics.Color)	4289230159 (0xFFA8754F)
YUV	127.9170, -24.1161, 35.1528
Hunter-Lab	46.4886, 10.5043, 19.3944

Details

The Yxy color **21.6119, 0.4284, 0.3870** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **20.4631, 0.2320, 0.2597**, and the grayscale version is **21.6311, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.9685, 0.4026, 0.3761**, and **7.8768, 0.4709, 0.4026** is the 20% darker color. If you saturate the color by 10%, you get **19.2685, 0.4582, 0.3955**, and if you desaturate by 10%, it is **24.2502, 0.4006, 0.3766**.

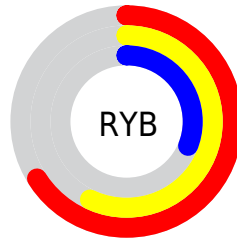
Distribution



Red (66%)

Green (46%)

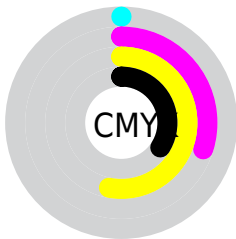
Blue (31%)



Red (66%)

Yellow (57%)

Blue (31%)

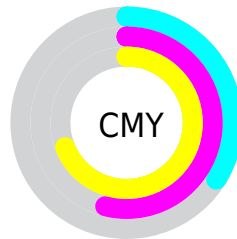


Cyan (0%)

Magenta (30%)

Yellow (53%)

Black (34%)



Cyan (34%)


Magenta (54%)


Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.6119, 0.4284, 0.3870 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 21.6119, 0.4284, 0.3870 by changing the saturation by 10% instead.


 21.6119, 0.4284,
0.3870


 21.6119, 0.4284,
0.3870


260.5128, 0.3634,
0.3574


 13.5720, 0.4468,
0.3937


 46.1037, 0.4031,
0.3765

 7.8236, 0.4715,
0.4014


 63.3244, 0.3941,
0.3724


 3.9823, 0.5058,
0.4091

 84.3742, 0.3867,
0.3690

 1.6637, 0.5735,
0.4265

 109.6374, 0.3805,
0.3660

 0.4000, 0.6558,
0.3442

 139.4985, 0.3753,
0.3634

 0.0000, 0.0000,
0.0000

174.3418, 0.3708,

0.3612

214.5518, 0.3669,
0.3592

■ 21.6119, 0.4284,
0.3870

■ 21.6119, 0.4284,
0.3870

■ 19.2685, 0.4582,
0.3955

■ 24.2502, 0.4006,
0.3766

■ 17.2050, 0.4887,
0.4009

■ 27.1912, 0.3756,
0.3653

■ 15.4099, 0.5182,
0.4019

■ 30.4461, 0.3534,
0.3539

■ 13.8689, 0.5443,
0.3978

■ 34.0246, 0.3340,
0.3427

■ 12.9238, 0.5609,
0.3929

■ 37.9361, 0.3172,
0.3320

■ 42.1893, 0.3028,
0.3221

■ 46.7928, 0.2903,
0.3129

■ 51.7547, 0.2795,
0.3045

■ 57.0830, 0.2702,
0.2967

Harmonies

Analogous

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



21.6119, 0.4243, 0.3417



21.6119, 0.4284, 0.3870



21.6119, 0.3992, 0.4238

Triad

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



21.6119, 0.4284, 0.3870



21.6119, 0.2411, 0.3591



21.6119, 0.2697, 0.2401

Complementary

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



21.6119, 0.4284, 0.3870



20.4631, 0.2320, 0.2597

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.



21.6119, 0.2279, 0.2377



21.6119, 0.4284, 0.3870



21.6119, 0.2125, 0.2998

Square

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



21.6119, 0.4284, 0.3870



21.6119, 0.2902, 0.4136



21.6119, 0.2082, 0.2572



21.6119, 0.3274, 0.2615

Rectangle

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



21.6119, 0.4284, 0.3870



21.6119, 0.3667, 0.4364



21.6119, 0.2082, 0.2572



21.6119, 0.2536, 0.2370

Sweetspot

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



21.6130, 0.4284, 0.3870



59.5094, 0.3401, 0.3463



15.5565, 0.3726, 0.2516



12.6916, 0.3439, 0.3485



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.



21.6130, 0.4284, 0.3870



34.0921, 0.4649, 0.3970



34.2412, 0.3933, 0.4453



8.0491, 0.3275, 0.3387



9.8552, 0.5592, 0.3942



0.3420, 0.5025, 0.4392

Inverse Universe

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



20.4631, 0.2320, 0.2597



31.7239, 0.2159, 0.2402



11.2140, 0.2155, 0.1770



7.9876, 0.2987, 0.3191



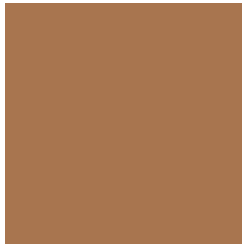
8.5969, 0.1849, 0.1855



0.3075, 0.1995, 0.2381

Previews

White Background



This preview shows how the Yxy color 21.6119, 0.4284, 0.3870 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 21.6119, 0.4284, 0.3870 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

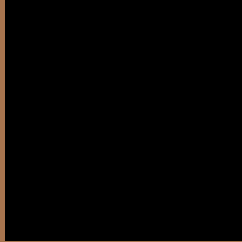
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.6119, 0.4284, 0.3870

Background



This preview shows how black text looks on a background with the Yxy color 21.6119, 0.4284, 0.3870.



This preview shows how white text looks on a background with the Yxy color 21.6119, 0.4284, 0.3870.

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

21.6119, 0.4284, 0.3870

Protanopia

21.6383, 0.3789, 0.4080

Deuteranopia

21.7839, 0.4090, 0.4019



Tritanopia

21.6023, 0.3812, 0.3170

Trichromacy



Original Color

21.6119, 0.4284, 0.3870

Protanomaly

21.5085, 0.3959, 0.3996

Deuteranomaly

21.6984, 0.4159, 0.3974

Tritanomaly

21.6006, 0.3994, 0.3431

Monochromacy



Original Color

21.6119, 0.4284, 0.3870

Achromatopsia

21.5861, 0.3127, 0.3290

Achromatomaly

21.3807, 0.3530, 0.3535

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.6119, 0.4284, 0.3870 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(168, 117, 79)` looks like.

```
.text, #text, p{  
    color:rgb(168, 117, 79)  
}
```

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(168, 117, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 117, 79) }
```

Border

The CSS property to change the border of an element to Yxy 21.6119, 0.4284, 0.3870 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(168, 117, 79) }
```

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

```
.border{ border-color:rgb(168, 117, 79) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 117, 79)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 117, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 117, 79);  
box-shadow:4px 4px 4px 4px rgb(168, 117,  
79) }
```


Background

The CSS property to change the background color of an element to Yxy 21.6119, 0.4284, 0.3870 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 117, 79) }
```

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

```
.background{ background-color: rgb(168,  
117, 79) }
```

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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