

Converting Colors

$Y_{xy}(21.1502, 0.4125, 0.3597)$

Have a look what the booklet for
Yxy(21.1502, 0.4125, 0.3597)
contains.

Yxy(21.1676, 0.4116, 0.3603)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(21.1676, 0.4116, 0.3603)

Conversions

Conversions Part 1

Format	Color
Hex	A8725E
RGB	168, 114, 94
RGB Percent	66%, 45%, 37%
CMY	0.3413, 0.5529, 0.6314
CMYK	0.00, 0.32, 0.44, 0.34
HSL	16°, 30%, 51%
HSV	16°, 44%, 66%
XYZ	24.1815, 21.1676, 13.4009
YIQ	127.8660, 38.6040, 5.2280

Conversions

Conversions Part 2

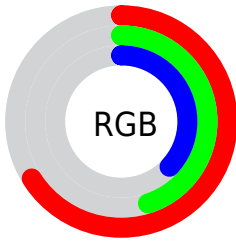
Format	Color
R _Y B	168, 121, 94
Decimal	11039326
CIE Lab	53.13, 18.84, 19.71
CIE LCh	53, 27.265, 46.293
Yxy	21.1676, 0.4116, 0.3603
Android (android.graphics.Color)	4289229406 (0xFFA8725E)
YUV	127.8660, -16.6959, 35.1975
Hunter-Lab	46.0083, 13.3033, 14.9363

Details

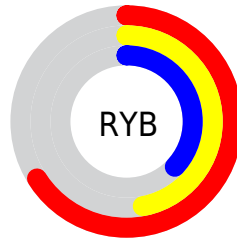
The Yxy color **21.1676, 0.4116, 0.3603** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **26.3706, 0.2485, 0.2944**, and the grayscale version is **21.5869, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.3243, 0.3889, 0.3540**, and **7.6872, 0.4509, 0.3680** is the 20% darker color. If you saturate the color by 10%, you get **18.3174, 0.4447, 0.3667**, and if you desaturate by 10%, it is **24.4557, 0.3826, 0.3531**.

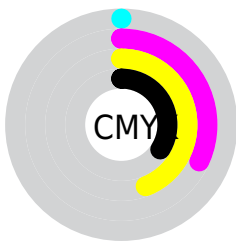
Distribution



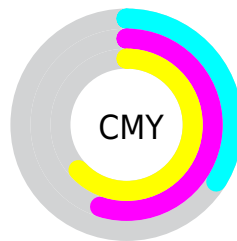
- Red (66%)
- Green (45%)
- Blue (37%)



- Red (66%)
- Yellow (47%)
- Blue (37%)



- Cyan (0%)
- Magenta (32%)
- Yellow (44%)
- Black (34%)





- Cyan (34%)
- Magenta (55%)
- Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.1676, 0.4116, 0.3603 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 21.1676, 0.4116, 0.3603 by changing the saturation by 10% instead.


 21.1676, 0.4116,
0.3603


 21.1676, 0.4116,
0.3603


258.1679, 0.3553,
0.3446


 13.2466, 0.4283,
0.3638


 45.3663, 0.3893,
0.3548


 7.5986, 0.4514,
0.3677


 62.4128, 0.3815,
0.3526

 3.8392, 0.4851,
0.3715

 83.2698, 0.3751,
0.3508

 1.5840, 0.5614,
0.3883

 108.3219, 0.3698,
0.3492

 0.3468, 0.6948,
0.3052

137.9533, 0.3653,
0.3479

 0.0000, 0.0000,
0.0000

172.5485, 0.3615,

0.3466

212.4919, 0.3582,
0.3456

■ 21.1676, 0.4116,
0.3603

■ 21.1676, 0.4116,
0.3603

■ 18.3174, 0.4447,
0.3667

■ 24.4557, 0.3826,
0.3531

■ 15.8831, 0.4812,
0.3713

■ 28.1964, 0.3577,
0.3457

■ 13.8454, 0.5191,
0.3731

■ 32.4074, 0.3367,
0.3385


■ 12.1820, 0.5553,
0.3711

■ 37.1044, 0.3190,
0.3316

■ 10.8681, 0.5860,
0.3648

■ 42.3027, 0.3042,
0.3253

 10.2334, 0.6019,
0.3603

 48.0165, 0.2917,
0.3194

 54.2597, 0.2812,
0.3141

 61.0457, 0.2723,
0.3092

 68.3872, 0.2647,
0.3048

Harmonies

Analogous

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



21.1676, 0.3927, 0.3209



21.1676, 0.4116, 0.3603



21.1676, 0.4013, 0.3959

Triad

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



21.1676, 0.4116, 0.3603



21.1676, 0.2723, 0.3788



21.1676, 0.2564, 0.2500

Complementary

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



21.1676, 0.4116, 0.3603



26.3706, 0.2485, 0.2944

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.



21.1676, 0.2295, 0.2579



21.1676, 0.4116, 0.3603



21.1676, 0.2378, 0.3296

Square

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



21.1676, 0.4116, 0.3603



21.1676, 0.3193, 0.4126



21.1676, 0.2230, 0.2853



21.1676, 0.2997, 0.2602

Rectangle

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



21.1676, 0.4116, 0.3603



21.1676, 0.3804, 0.4125



21.1676, 0.2230, 0.2853



21.1676, 0.2453, 0.2505

Sweetspot

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



21.1686, 0.4116, 0.3603



59.4790, 0.3352, 0.3379



18.4730, 0.3432, 0.2486



12.5896, 0.3393, 0.3394



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.



21.1686, 0.4116, 0.3603



33.2832, 0.4445, 0.3666



31.1700, 0.3869, 0.4133



7.8604, 0.3279, 0.3352



7.8059, 0.6002, 0.3616



0.2728, 0.5377, 0.4113

Inverse Universe

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



26.3706, 0.2485, 0.2944



43.9185, 0.2361, 0.2850



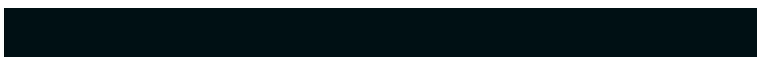
16.6315, 0.2371, 0.2267



8.1835, 0.2987, 0.3228



12.8336, 0.2001, 0.2403



0.3902, 0.2092, 0.2730

Previews

White Background



This preview shows how the Yxy color 21.1676, 0.4116, 0.3603 looks on a white background.

Color Contrast Check

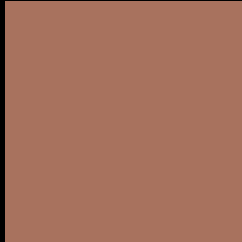
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.1676, 0.4116, 0.3603 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 21.1676, 0.4116, 0.3603

Background



This preview shows how black text looks on a background with the Yxy color 21.1676, 0.4116, 0.3603.



This preview shows how white text looks on a background with the Yxy color 21.1676, 0.4116, 0.3603.

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

21.1676, 0.4116, 0.3603

Protanopia

21.2497, 0.3535, 0.3778

Deuteranopia

21.2711, 0.3866, 0.3797



Tritanopia

21.2468, 0.3817, 0.3169

Trichromacy



Original Color

21.1676, 0.4116, 0.3603

Protanomaly

21.0040, 0.3739, 0.3705

Deuteranomaly

21.1521, 0.3951, 0.3719

Tritanomaly

21.1491, 0.3924, 0.3323

Monochromacy



Original Color

21.1676, 0.4116, 0.3603

Achromatopsia

21.5861, 0.3127, 0.3290

Achromatomaly

21.2665, 0.3460, 0.3412

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.1676, 0.4116, 0.3603 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, 114, 94)` looks like.

```
.text, #text, p{  
    color:rgb(168, 114, 94)  
}
```

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, 114, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 114, 94) }
```

Border

The CSS property to change the border of an element to Yxy 21.1676, 0.4116, 0.3603 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, 114, 94) }
```

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

```
.border{ border-color:rgb(168, 114, 94) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 114, 94)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 114, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 114, 94);  
box-shadow:4px 4px 4px 4px rgb(168, 114,  
94) }
```


Background

The CSS property to change the background color of an element to Yxy 21.1676, 0.4116, 0.3603 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 114, 94) }
```

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

```
.background{ background-color: rgb(168,  
114, 94) }
```

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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