

Converting Colors

$Y_{xy}(21.2961, 0.4106, 0.3921)$

Have a look what the booklet for
Yxy(21.2961, 0.4106, 0.3921)
contains.

Yxy(21.2961, 0.4106, 0.3921)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(21.2961, 0.4106, 0.3921)

Conversions

Conversions Part 1

Format	Color
Hex	9E7851
RGB	158, 120, 81
RGB Percent	62%, 47%, 32%
CMY	0.3804, 0.5294, 0.6824
CMYK	0.00, 0.24, 0.49, 0.38
HSL	30°, 32%, 47%
HSV	30°, 49%, 62%
XYZ	22.3009, 21.2961, 10.7159
YIQ	126.9160, 35.1670, -4.0730

Conversions

Conversions Part 2

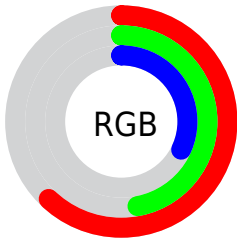
Format	Color
R_{YB}	156, 158, 81
Decimal	10385489
CIE _{Lab}	53.27, 9.80, 27.10
CIE _{LCh}	53, 28.814, 70.112
Yxy	21.2961, 0.4106, 0.3921
Android (android.graphics.Color)	4288575569 (0xFF9E7851)
YUV	126.9160, -22.6366, 27.2607
Hunter-Lab	46.1477, 5.5017, 18.5357

Details

The Yxy color **21.2961, 0.4106, 0.3921** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **17.4033, 0.2362, 0.2544**, and the grayscale version is **21.2631, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.4399, 0.3888, 0.3793**, and **7.6991, 0.4462, 0.4125** is the 20% darker color. If you saturate the color by 10%, you get **19.2880, 0.4366, 0.4034**, and if you desaturate by 10%, it is **23.5140, 0.3862, 0.3793**.

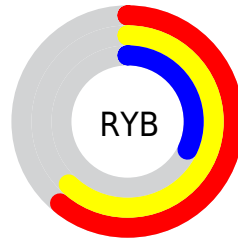
Distribution



Red (62%)

Green (47%)

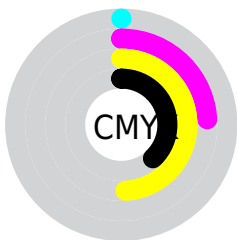
Blue (32%)



Red (61%)

Yellow (62%)

Blue (32%)

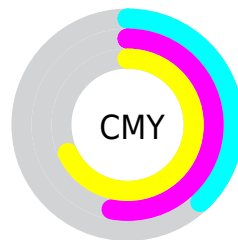


Cyan (0%)

Magenta (24%)

Yellow (49%)

Black (38%)



Cyan (38%)


Magenta (53%)

Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 21.2961, 0.4106, 0.3921 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 21.2961, 0.4106, 0.3921 by changing the saturation by 10% instead.


 21.2961, 0.4106,
0.3921


 21.2961, 0.4106,
0.3921


258.8479, 0.3556,
0.3585


 13.3406, 0.4263,
0.4006


 45.5798, 0.3891,
0.3796


 7.6635, 0.4474,
0.4112


 62.6768, 0.3815,
0.3750

 3.8804, 0.4768,
0.4237

 83.5898, 0.3752,
0.3711

 1.6069, 0.5433,
0.4567

 108.7031, 0.3700,
0.3678

 0.3622, 0.6170,
0.3830

 138.4012, 0.3656,
0.3650

 0.0000, 0.0000,
0.0000

173.0684, 0.3618,

0.3626

213.0892, 0.3585,
0.3604

■ 21.2961, 0.4106,
0.3921

■ 21.2961, 0.4106,
0.3921

■ 19.2880, 0.4366,
0.4034

■ 23.5140, 0.3862,
0.3793

■ 17.4792, 0.4633,
0.4120

■ 25.9456, 0.3640,
0.3660

■ 15.8624, 0.4895,
0.4169

■ 28.5985, 0.3440,
0.3526

■ 14.4288, 0.5134,
0.4169

■ 31.4790, 0.3264,
0.3397

■ 13.1639, 0.5344,
0.4124

■ 34.5931, 0.3109,
0.3275

■ 13.0151, 0.5370,
0.4118

■ 37.9465, 0.2973,
0.3161

■ 41.5446, 0.2855,
0.3056

■ 45.3928, 0.2751,
0.2959

■ 49.4962, 0.2661,
0.2870

Harmonies

Analogous

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



21.2961, 0.4154, 0.3530



21.2961, 0.4106, 0.3921



21.2961, 0.3785, 0.4192

Triad

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



21.2961, 0.4106, 0.3921



21.2961, 0.2398, 0.3404



21.2961, 0.2885, 0.2533

Complementary

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



21.2961, 0.4106, 0.3921



17.4033, 0.2362, 0.2544

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.



21.2961, 0.2460, 0.2461



21.2961, 0.4106, 0.3921



21.2961, 0.2199, 0.2911

Square

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



21.2961, 0.4106, 0.3921



21.2961, 0.2795, 0.3911



21.2961, 0.2222, 0.2584



21.2961, 0.3414, 0.2768

Rectangle

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



21.2961, 0.4106, 0.3921



21.2961, 0.3473, 0.4240



21.2961, 0.2222, 0.2584



21.2961, 0.2726, 0.2489

Sweetspot

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



21.2971, 0.4106, 0.3921



53.6966, 0.3377, 0.3481



14.4944, 0.3762, 0.2673



11.8763, 0.3413, 0.3507



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290

Same Dimension

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



21.2971, 0.4106, 0.3921



34.8949, 0.4376, 0.4038



32.3143, 0.3827, 0.4446



7.1738, 0.3272, 0.3404



10.5036, 0.5358, 0.4128



0.2724, 0.4800, 0.4571

Inverse Universe

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



17.4033, 0.2362, 0.2544



27.0066, 0.2206, 0.2348



10.0991, 0.2223, 0.1796



6.9485, 0.2988, 0.3174



6.4123, 0.1775, 0.1590



0.1992, 0.1975, 0.2310

Previews

White Background



This preview shows how the Yxy color 21.2961, 0.4106, 0.3921 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 21.2961, 0.4106, 0.3921 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

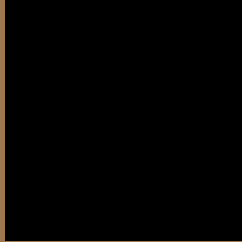
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.2961, 0.4106, 0.3921

Background



This preview shows how black text looks on a background with the Yxy color 21.2961, 0.4106, 0.3921.



This preview shows how white text looks on a background with the Yxy color 21.2961, 0.4106, 0.3921.

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

21.2961, 0.4106, 0.3921

Protanopia

21.2221, 0.3758, 0.4055

Deuteranopia

21.3832, 0.4038, 0.3966



Tritanopia

21.3729, 0.3643, 0.3164

Trichromacy



Original Color

21.2961, 0.4106, 0.3921

Protanomaly

21.0596, 0.3881, 0.3998

Deuteranomaly

21.2374, 0.4059, 0.3947

Tritanomaly

21.3824, 0.3820, 0.3437

Monochromacy



Original Color

21.2961, 0.4106, 0.3921

Achromatopsia

21.2231, 0.3127, 0.3290

Achromatomaly

20.9444, 0.3466, 0.3540

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.2961, 0.4106, 0.3921 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(158, 120, 81)` looks like.

```
.text, #text, p{  
    color:rgb(158, 120, 81)  
}
```

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(158, 120, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 120, 81) }
```

Border

The CSS property to change the border of an element to Yxy 21.2961, 0.4106, 0.3921 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(158, 120, 81) }
```

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

```
.border{ border-color:rgb(158, 120, 81) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 120, 81)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 120, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 120, 81);  
box-shadow:4px 4px 4px 4px rgb(158, 120,  
81) }
```


Background

The CSS property to change the background color of an element to Yxy 21.2961, 0.4106, 0.3921 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 120, 81) }
```

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

```
.background{ background-color: rgb(158,  
120, 81) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor