

Converting Colors

$Y_{xy}(21.2887, 0.3806, 0.4166)$

Have a look what the booklet for
Yxy(21.2887, 0.3806, 0.4166)
contains.

Yxy(21.3068, 0.3805, 0.4177)	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(21.3068, 0.3805, 0.4177)

Conversions

Conversions Part 1

Format	Color
Hex	89804E
RGB	137, 128, 78
RGB Percent	54%, 50%, 31%
CMY	0.4628, 0.4980, 0.6942
CMYK	0.00, 0.07, 0.43, 0.46
HSL	51°, 27%, 42%
HSV	51°, 43%, 54%
XYZ	19.4092, 21.3068, 10.2938
YIQ	124.9910, 21.4140, -13.6420

Conversions

Conversions Part 2

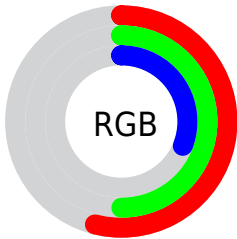
Format	Color
R_{YB}	89, 137, 78
Decimal	9011278
CIE _{Lab}	53.28, -4.20, 28.34
CIE _{LCh}	53, 28.653, 98.426
Yxy	21.3068, 0.3805, 0.4177
Android (android.graphics.Color)	4287201358 (0xFF89804E)
YUV	124.9910, -23.1666, 10.5319
Hunter-Lab	46.1593, -5.7224, 19.0895

Details

The Yxy color **21.3068, 0.3805, 0.4177** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **10.2357, 0.2386, 0.2208**, and the grayscale version is **20.5787, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.6826, 0.3656, 0.3986**, and **7.6747, 0.4043, 0.4500** is the 20% darker color. If you saturate the color by 10%, you get **20.5928, 0.3964, 0.4365**, and if you desaturate by 10%, it is **22.0748, 0.3641, 0.3974**.

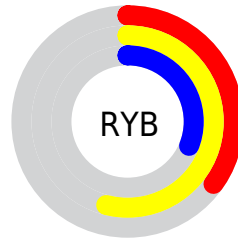
Distribution



Red (54%)

Green (50%)

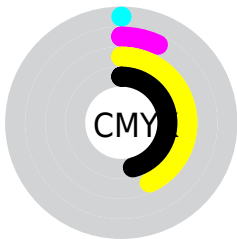
Blue (31%)



Red (35%)

Yellow (54%)

Blue (31%)

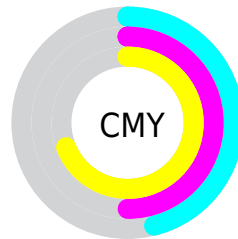


Cyan (0%)

Magenta (7%)

Yellow (43%)

Black (46%)



Cyan (46%)


Magenta (50%)

Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 21.3068, 0.3805, 0.4177 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 21.3068, 0.3805, 0.4177 by changing the saturation by 10% instead.


 21.3068, 0.3805,
0.4177


 21.3068, 0.3805,
0.4177


258.9045, 0.3433,
0.3679


 13.3484, 0.3906,
0.4319


 45.5976, 0.3663,
0.3982

 7.6689, 0.4037,
0.4510


 62.6988, 0.3611,
0.3913

 3.8838, 0.4210,
0.4776

 83.6164, 0.3568,
0.3857

 1.6088, 0.4620,
0.5380

 108.7348, 0.3533,
0.3809

 0.3635, 0.4007,
0.5993

 138.4385, 0.3502,
0.3769

 0.0000, 0.0000,
0.0000

173.1117, 0.3476,

0.3735

213.1389, 0.3453,
0.3705

■ 21.3068, 0.3805,
0.4177

■ 21.3068, 0.3805,
0.4177

■ 20.5928, 0.3964,
0.4365

■ 22.0748, 0.3641,
0.3974

■ 19.9274, 0.4112,
0.4529

■ 22.8964, 0.3479,
0.3764

■ 19.3085, 0.4243,
0.4661

■ 23.7748, 0.3321,
0.3555

■ 18.7329, 0.4351,
0.4753

■ 24.7120, 0.3171,
0.3351

■ 18.1966, 0.4433,
0.4802

■ 25.7100, 0.3031,
0.3156

■ 17.8398, 0.4482,
0.4823

■ 26.7706, 0.2902,
0.2974

■ 27.8957, 0.2784,
0.2803

■ 29.0869, 0.2677,
0.2646

■ 30.3458, 0.2580,
0.2502

Harmonies

Analogous

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



21.3068, 0.4111, 0.3898



21.3068, 0.3805, 0.4177



21.3068, 0.3330, 0.4213

Triad

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



21.3068, 0.3805, 0.4177



21.3068, 0.2209, 0.2938



21.3068, 0.3382, 0.2754

Complementary

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



21.3068, 0.3805, 0.4177



10.2357, 0.2386, 0.2208

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.



21.3068, 0.2859, 0.2528



21.3068, 0.3805, 0.4177



21.3068, 0.2219, 0.2600

Square

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



21.3068, 0.3805, 0.4177



21.3068, 0.2420, 0.3434



21.3068, 0.2445, 0.2467



21.3068, 0.3868, 0.3100

Rectangle

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



21.3068, 0.3805, 0.4177



21.3068, 0.2987, 0.4059



21.3068, 0.2445, 0.2467



21.3068, 0.3203, 0.2662

Sweetspot

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



21.3078, 0.3805, 0.4177



42.5479, 0.3324, 0.3559



11.4654, 0.4010, 0.3109



9.4725, 0.3355, 0.3600



69.2071, 0.3127, 0.3290



10.0482, 0.3127, 0.3290

Same Dimension

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



21.3078, 0.3805, 0.4177



36.8743, 0.3965, 0.4367



22.2428, 0.3504, 0.4404



5.7175, 0.3261, 0.3474



16.6338, 0.4481, 0.4824



0.1268, 0.4324, 0.4949

Inverse Universe

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



10.2357, 0.2386, 0.2208



14.2758, 0.2192, 0.1904



9.8295, 0.2605, 0.2092



5.0073, 0.2991, 0.3099



2.1893, 0.1544, 0.0758



0.0280, 0.1697, 0.1308

Previews

White Background



This preview shows how the Yxy color 21.3068, 0.3805, 0.4177 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 21.3068, 0.3805, 0.4177 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

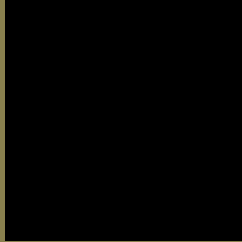
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.3068, 0.3805, 0.4177

Background



This preview shows how black text looks on a background with the Yxy color 21.3068, 0.3805, 0.4177.



This preview shows how white text looks on a background with the Yxy color 21.3068, 0.3805, 0.4177.

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

21.3068, 0.3805, 0.4177

Protanopia

21.2178, 0.3838, 0.4152

Deuteranopia

21.3536, 0.4061, 0.3997



Tritanopia

21.3974, 0.3282, 0.3137

Trichromacy



Original Color

21.3068, 0.3805, 0.4177

Protanomaly

21.1321, 0.3825, 0.4157

Deuteranomaly

21.2757, 0.3967, 0.4051

Tritanomaly

21.2479, 0.3480, 0.3502

Monochromacy



Original Color

21.3068, 0.3805, 0.4177

Achromatopsia

20.5079, 0.3127, 0.3290

Achromatomaly

20.6715, 0.3369, 0.3623

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.3068, 0.3805, 0.4177 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(137, 128, 78)` looks like.

```
.text, #text, p{  
    color:rgb(137, 128, 78)  
}
```

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(137, 128, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 128, 78) }
```

Border

The CSS property to change the border of an element to Yxy 21.3068, 0.3805, 0.4177 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(137, 128, 78) }
```

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

```
.border{ border-color:rgb(137, 128, 78) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 128, 78)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 128, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 128, 78);  
box-shadow:4px 4px 4px 4px rgb(137, 128,  
78) }
```


Background

The CSS property to change the background color of an element to Yxy 21.3068, 0.3805, 0.4177 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 128, 78) }
```

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

```
.background{ background-color: rgb(137,  
128, 78) }
```

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