

Converting Colors

$Y_{xy}(21.8312, 0.3788, 0.4103)$

Have a look what the booklet for
Yxy(21.8312, 0.3788, 0.4103)
contains.

Yxy(21.8852, 0.3794, 0.4112)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(21.8852, 0.3794, 0.4112)

Conversions

Conversions Part 1

Format	Color
Hex	8C8152
RGB	140, 129, 82
RGB Percent	55%, 51%, 32%
CMY	0.4509, 0.4941, 0.6784
CMYK	0.00, 0.08, 0.41, 0.45
HSL	49°, 26%, 44%
HSV	49°, 41%, 55%
XYZ	20.1927, 21.8852, 11.1448
YIQ	126.9310, 21.6430, -12.2850

Conversions

Conversions Part 2

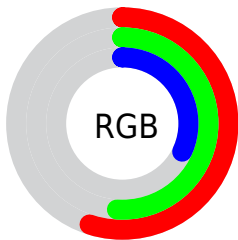
Format	Color
RYB	96, 140, 82
Decimal	9208146
CIELab	53.90, -2.97, 26.97
CIELCh	54, 27.133, 96.278
Yxy	21.8852, 0.3794, 0.4112
Android (android.graphics.Color)	4287398226 (0xFF8C8152)
YUV	126.9310, -22.1510, 11.4615
Hunter-Lab	46.7816, -4.8205, 18.6224

Details

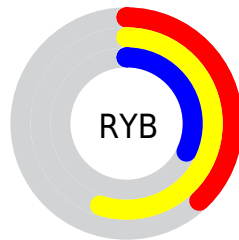
The Yxy color **21.8852, 0.3794, 0.4112** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **11.5263, 0.2424, 0.2302**, and the grayscale version is **21.2724, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.7239, 0.3657, 0.3937**, and **7.9885, 0.4032, 0.4408** is the 20% darker color. If you saturate the color by 10%, you get **21.0016, 0.3963, 0.4297**, and if you desaturate by 10%, it is **22.8326, 0.3624, 0.3914**.

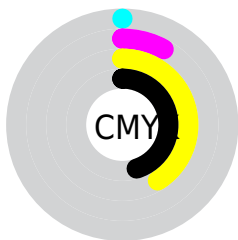
Distribution



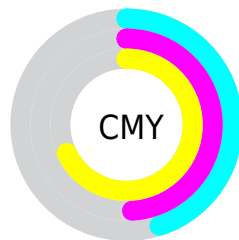
- Red (55%)
- Green (51%)
- Blue (32%)



- Red (38%)
- Yellow (55%)
- Blue (32%)



- Cyan (0%)
- Magenta (8%)
- Yellow (41%)
- Black (45%)



- Cyan (45%)
- Magenta (49%)
- Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 21.8852, 0.3794, 0.4112 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 21.8852, 0.3794, 0.4112 by changing the saturation by 10% instead.

■ 21.8852, 0.3794,
0.4112

■ 21.8852, 0.3794,
0.4112

■ 261.9462, 0.3427,
0.3653

■ 13.7726, 0.3895,
0.4242

■ 46.5562, 0.3653,
0.3933

■ 7.9627, 0.4027,
0.4417

■ 63.8833, 0.3602,
0.3870

■ 4.0711, 0.4202,
0.4658

■ 85.0508, 0.3560,
0.3817

■ 1.7134, 0.4699,
0.5301

■ 110.4429, 0.3525,
0.3774

■ 0.4323, 0.4391,
0.5609

■ 140.4441, 0.3495,
0.3736

■ 0.0000, 0.0000,
0.0000

175.4388, 0.3469,

0.3704

215.8113, 0.3447,
0.3677

■ 21.8852, 0.3794,
0.4112

■ 21.8852, 0.3794,
0.4112

■ 21.0016, 0.3963,
0.4297

■ 22.8326, 0.3624,
0.3914

■ 20.1760, 0.4124,
0.4461

■ 23.8435, 0.3457,
0.3712

■ 19.4063, 0.4270,
0.4593

■ 24.9211, 0.3297,
0.3511

■ 18.6890, 0.4395,
0.4687

■ 26.0677, 0.3148,
0.3317

■ 18.0201, 0.4494,
0.4737

■ 27.2855, 0.3009,
0.3133

■ 17.4756, 0.4565,
0.4757

■ 28.5764, 0.2882,
0.2960

■ 29.9424, 0.2767,
0.2800

■ 31.3853, 0.2663,
0.2652

■ 32.9068, 0.2569,
0.2516

Harmonies

Analogous

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



21.8852, 0.4064, 0.3843



21.8852, 0.3794, 0.4112



21.8852, 0.3355, 0.4160

Triad

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



21.8852, 0.3794, 0.4112



21.8852, 0.2268, 0.2992



21.8852, 0.3332, 0.2764

Complementary

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



21.8852, 0.3794, 0.4112



11.5263, 0.2424, 0.2302

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.



21.8852, 0.2843, 0.2560



21.8852, 0.3794, 0.4112



21.8852, 0.2262, 0.2659

Square

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



21.8852, 0.3794, 0.4112



21.8852, 0.2484, 0.3462



21.8852, 0.2463, 0.2516



21.8852, 0.3794, 0.3087

Rectangle

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



21.8852, 0.3794, 0.4112



21.8852, 0.3032, 0.4029



21.8852, 0.2463, 0.2516



21.8852, 0.3164, 0.2680

Sweetspot

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



21.8862, 0.3794, 0.4112



43.7556, 0.3310, 0.3527



12.4159, 0.3929, 0.3079



10.0327, 0.3327, 0.3549



71.0566, 0.3127, 0.3290



10.6539, 0.3127, 0.3290

Same Dimension

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



21.8862, 0.3794, 0.4112



37.0662, 0.3957, 0.4291



23.5580, 0.3515, 0.4354



5.6860, 0.3262, 0.3466



15.5473, 0.4563, 0.4759



0.1226, 0.4361, 0.4919

Inverse Universe

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



11.5263, 0.2424, 0.2302



16.2103, 0.2241, 0.2024



10.6071, 0.2603, 0.2132



5.0363, 0.2991, 0.3108



2.3874, 0.1560, 0.0817



0.0322, 0.1738, 0.1456

Previews

White Background



This preview shows how the Yxy color 21.8852, 0.3794, 0.4112 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 21.8852, 0.3794, 0.4112 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

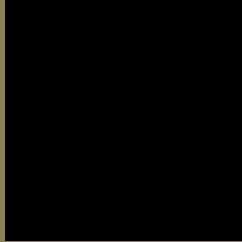
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.8852, 0.3794, 0.4112

Background



This preview shows how black text looks on a background with the Yxy color 21.8852, 0.3794, 0.4112.



This preview shows how white text looks on a background with the Yxy color 21.8852, 0.3794, 0.4112.

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

21.8852, 0.3794, 0.4112

Protanopia

21.8852, 0.3794, 0.4112

Deuteranopia

21.7590, 0.4019, 0.3946



Tritanopia

21.8516, 0.3293, 0.3139

Trichromacy



Original Color

21.8852, 0.3794, 0.4112

Protanomaly

21.8852, 0.3794, 0.4112

Deuteranomaly

21.7758, 0.3940, 0.3995

Tritanomaly

21.7218, 0.3478, 0.3482

Monochromacy



Original Color

21.8852, 0.3794, 0.4112

Achromatopsia

21.2231, 0.3127, 0.3290

Achromatomaly

21.4916, 0.3366, 0.3599

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.8852, 0.3794, 0.4112 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(140, 129, 82)` looks like.

```
.text, #text, p{  
    color:rgb(140, 129, 82)  
}
```

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(140, 129, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 129, 82) }
```

Border

The CSS property to change the border of an element to Yxy 21.8852, 0.3794, 0.4112 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(140, 129, 82) }
```

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

```
.border{ border-color:rgb(140, 129, 82) }
```

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

Here you see how a box with a 4 pixel rgb(140, 129, 82) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 129, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 129, 82);  
box-shadow:4px 4px 4px 4px rgb(140, 129,  
82) }
```


Background

The CSS property to change the background color of an element to Yxy 21.8852, 0.3794, 0.4112 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 129, 82) }
```

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

```
.background{ background-color: rgb(140,  
129, 82) }
```

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