

Converting Colors

$Y_{xy}(20.1968, 0.4067, 0.3942)$

Have a look what the booklet for
Yxy(20.1968, 0.4067, 0.3942)
contains.

Yxy(20.1968, 0.4067, 0.3942)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(20.1968, 0.4067, 0.3942)

Conversions

Conversions Part 1

Format	Color
Hex	98764F
RGB	152, 118, 79
RGB Percent	60%, 46%, 31%
CMY	0.4040, 0.5372, 0.6901
CMYK	0.00, 0.22, 0.48, 0.40
HSL	32°, 32%, 45%
HSV	32°, 48%, 60%
XYZ	20.8372, 20.1968, 10.2009
YIQ	123.7200, 32.7830, -4.9210

Conversions

Conversions Part 2

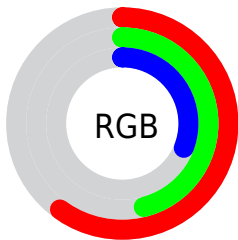
Format	Color
R_{YB}	143, 152, 79
Decimal	9991759
CIE Lab	52.06, 8.13, 26.51
CIE LCh	52, 27.726, 72.948
Yxy	20.1968, 0.4067, 0.3942
Android (android.graphics.Color)	4288181839 (0xFF98764F)
YUV	123.7200, -22.0470, 24.8016
Hunter-Lab	44.9409, 4.1167, 18.0007

Details

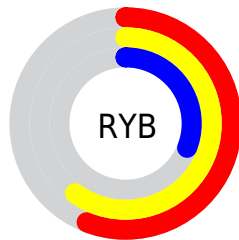
The Yxy color **20.1968, 0.4067, 0.3942** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **15.7393, 0.2368, 0.2519**, and the grayscale version is **20.1252, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.7443, 0.3858, 0.3805**, and **7.1428, 0.4432, 0.4160** is the 20% darker color. If you saturate the color by 10%, you get **18.3961, 0.4316, 0.4062**, and if you desaturate by 10%, it is **22.1752, 0.3833, 0.3807**.

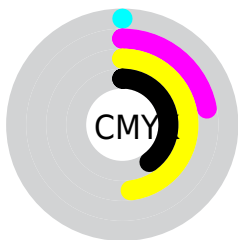
Distribution



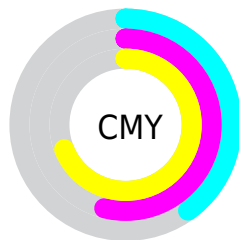
- Red (60%)
- Green (46%)
- Blue (31%)



- Red (56%)
- Yellow (60%)
- Blue (31%)



- Cyan (0%)
- Magenta (22%)
- Yellow (48%)
- Black (40%)





- Cyan (40%)
- Magenta (54%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.1968, 0.4067, 0.3942 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 20.1968, 0.4067, 0.3942 by changing the saturation by 10% instead.


 20.1968, 0.4067,
0.3942


 20.1968, 0.4067,
0.3942


252.9785, 0.3535,
0.3589


 12.5382, 0.4220,
0.4034


 43.7469, 0.3858,
0.3809


 7.1113, 0.4428,
0.4151


 60.4071, 0.3785,
0.3761


 3.5318, 0.4722,
0.4297

 80.8367, 0.3724,
0.3720

 1.4153, 0.5360,
0.4640

 105.4201, 0.3674,
0.3686

 0.2279, 0.6455,
0.3545

 134.5415, 0.3631,
0.3656

 0.0000, 0.0000,
0.0000

168.5855, 0.3595,

0.3631

207.9363, 0.3563,
0.3609

■ 20.1968, 0.4067,
0.3942

■ 20.1968, 0.4067,
0.3942

■ 18.3961, 0.4316,
0.4062

■ 22.1752, 0.3833,
0.3807

■ 16.7639, 0.4570,
0.4158

■ 24.3341, 0.3617,
0.3667

■ 15.2944, 0.4819,
0.4216

■ 26.6800, 0.3423,
0.3528

■ 13.9801, 0.5046,
0.4228

■ 29.2180, 0.3251,
0.3393

■ 12.8095, 0.5246,
0.4193

■ 31.9532, 0.3098,
0.3265

■ 12.5905, 0.5286,
0.4185

■ 34.8902, 0.2964,
0.3146

■ 38.0337, 0.2847,
0.3036

■ 41.3879, 0.2744,
0.2934

■ 44.9571, 0.2653,
0.2841

Harmonies

Analogous

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



20.1968, 0.4142, 0.3565



20.1968, 0.4067, 0.3942



20.1968, 0.3733, 0.4188

Triad

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



20.1968, 0.4067, 0.3942



20.1968, 0.2385, 0.3353



20.1968, 0.2936, 0.2562

Complementary

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



20.1968, 0.4067, 0.3942



15.7393, 0.2368, 0.2519

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.



20.1968, 0.2505, 0.2475



20.1968, 0.4067, 0.3942



20.1968, 0.2209, 0.2881

Square

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



20.1968, 0.4067, 0.3942



20.1968, 0.2759, 0.3856



20.1968, 0.2252, 0.2578



20.1968, 0.3458, 0.2806

Rectangle

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



20.1968, 0.4067, 0.3942



20.1968, 0.3420, 0.4215



20.1968, 0.2252, 0.2578



20.1968, 0.2777, 0.2514

Sweetspot

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



20.1978, 0.4067, 0.3942



48.7362, 0.3356, 0.3477



13.4628, 0.3788, 0.2723



10.8768, 0.3392, 0.3504



76.7769, 0.3127, 0.3290



12.5967, 0.3127, 0.3290

Same Dimension

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



20.1978, 0.4067, 0.3942



32.1400, 0.4344, 0.4074



29.4585, 0.3788, 0.4440



6.7418, 0.3271, 0.3409



10.6214, 0.5277, 0.4192



0.2316, 0.4725, 0.4631

Inverse Universe

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



15.7393, 0.2368, 0.2519



23.2835, 0.2197, 0.2299



9.6308, 0.2268, 0.1836



6.4767, 0.2989, 0.3168



5.7170, 0.1751, 0.1503



0.1573, 0.1968, 0.2285

Previews

White Background



This preview shows how the Yxy color 20.1968, 0.4067, 0.3942 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 20.1968, 0.4067, 0.3942 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 20.1968, 0.4067, 0.3942

Background



This preview shows how black text looks on a background with the Yxy color 20.1968, 0.4067, 0.3942.



This preview shows how white text looks on a background with the Yxy color 20.1968, 0.4067, 0.3942.

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

20.1968, 0.4067, 0.3942

Protanopia

20.1754, 0.3760, 0.4052

Deuteranopia

20.2422, 0.4033, 0.3965



Tritanopia

20.2587, 0.3598, 0.3160

Trichromacy



Original Color

20.1968, 0.4067, 0.3942

Protanomaly

20.1759, 0.3866, 0.4014

Deuteranomaly

20.3375, 0.4046, 0.3962

Tritanomaly

20.2706, 0.3778, 0.3442

Monochromacy



Original Color

20.1968, 0.4067, 0.3942

Achromatopsia

20.1556, 0.3127, 0.3290

Achromatomaly

20.0701, 0.3445, 0.3546

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.1968, 0.4067, 0.3942 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(152, 118, 79)` looks like.

```
.text, #text, p{  
    color:rgb(152, 118, 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(152, 118, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 118, 79) }
```

Border

The CSS property to change the border of an element to Yxy 20.1968, 0.4067, 0.3942 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(152, 118, 79) }
```

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

```
.border{ border-color:rgb(152, 118, 79) }
```

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

Here you see how a box with a 4 pixel rgb(152, 118, 79) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 118, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 118, 79);  
box-shadow:4px 4px 4px 4px rgb(152, 118,  
79) }
```


Background

The CSS property to change the background color of an element to Yxy 20.1968, 0.4067, 0.3942 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 118, 79) }
```

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

```
.background{ background-color: rgb(152,  
118, 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](#).

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