

Converting Colors

$Y_{xy}(20.9669, 0.4263, 0.4322)$

Have a look what the booklet for
Yxy(20.9669, 0.4263, 0.4322)
contains.

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Color

$\text{Yxy}(20.8899, 0.4270, 0.4320)$

Conversions

Conversions Part 1

Format	Color
Hex	987A39
RGB	152, 122, 57
RGB Percent	60%, 48%, 22%
CMY	0.4039, 0.5216, 0.7764
CMYK	0.00, 0.20, 0.62, 0.40
HSL	41°, 45%, 41%
HSV	41°, 62%, 60%
XYZ	20.6481, 20.8899, 6.8182
YIQ	123.5600, 38.7450, -13.8550

Conversions

Conversions Part 2

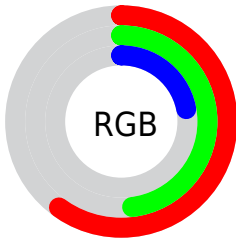
Format	Color
R_{YB}	101, 152, 57
Decimal	9992761
CIE _{Lab}	52.83, 3.90, 39.25
CIE _{LCh}	53, 39.443, 84.329
Yxy	20.8899, 0.4270, 0.4320
Android (android.graphics.Color)	4288182841 (0xFF987A39)
YUV	123.5600, -32.8141, 24.9419
Hunter-Lab	45.7055, 0.6554, 23.1491

Details

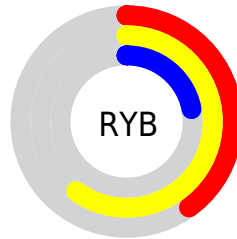
The Yxy color **20.8899, 0.4270, 0.4320** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **9.9592, 0.2079, 0.1923**, and the grayscale version is **20.1049, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.8680, 0.4044, 0.4121**, and **7.5096, 0.4620, 0.4611** is the 20% darker color. If you saturate the color by 10%, you get **19.6109, 0.4460, 0.4429**, and if you desaturate by 10%, it is **22.2746, 0.4070, 0.4180**.

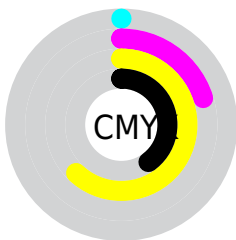
Distribution



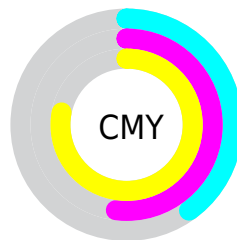
- Red (60%)
- Green (48%)
- Blue (22%)



- Red (40%)
- Yellow (60%)
- Blue (22%)



- Cyan (0%)
- Magenta (20%)
- Yellow (62%)
- Black (40%)





- Cyan (40%)
- Magenta (52%)
- Yellow (78%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 20.8899, 0.4270, 0.4320 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 20.8899, 0.4270, 0.4320 by changing the saturation by 10% instead.


 20.8899, 0.4270,
0.4320


 20.8899, 0.4270,
0.4320

 256.6928, 0.3646,
0.3772

 13.0435, 0.4430,
0.4453


 44.9042, 0.4036,
0.4119

 7.4585, 0.4628,
0.4609


 61.8410, 0.3950,
0.4043


 3.7505, 0.5041,
0.4949

 82.5767, 0.3877,
0.3980

 1.5350, 0.5105,
0.4895

 107.4957, 0.3817,
0.3925

 0.3132, 0.5564,
0.4436

 136.9824, 0.3765,
0.3879

 0.0000, 0.0000,
0.0000

 171.4212, 0.3720,

0.3838

211.1966, 0.3681,
0.3803

■ 20.8899, 0.4270,
0.4320

■ 20.8899, 0.4270,
0.4320

■ 19.6109, 0.4460,
0.4429

■ 22.2746, 0.4070,
0.4180

■ 18.4296, 0.4632,
0.4497

■ 23.7666, 0.3870,
0.4019

■ 17.3411, 0.4776,
0.4518

■ 25.3708, 0.3675,
0.3846

■ 16.5737, 0.4873,
0.4513

■ 27.0911, 0.3491,
0.3670

■ 28.9311, 0.3320,
0.3497

■ 30.8940, 0.3164,
0.3330

■ 32.9832, 0.3022,
0.3172

■ 35.2016, 0.2895,
0.3025

■ 37.5521, 0.2782,
0.2889

Harmonies

Analogous

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



20.8899, 0.4551, 0.3828



20.8899, 0.4270, 0.4320



20.8899, 0.3696, 0.4605

Triad

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



20.8899, 0.4270, 0.4320



20.8899, 0.1988, 0.3081



20.8899, 0.3119, 0.2412

Complementary

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



20.8899, 0.4270, 0.4320



9.9592, 0.2079, 0.1923

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.



20.8899, 0.2466, 0.2211



20.8899, 0.4270, 0.4320



20.8899, 0.1876, 0.2515

Square

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



20.8899, 0.4270, 0.4320



20.8899, 0.2383, 0.3837



20.8899, 0.2039, 0.2232



20.8899, 0.3855, 0.2794

Rectangle

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



20.8899, 0.4270, 0.4320



20.8899, 0.3237, 0.4563



20.8899, 0.2039, 0.2232



20.8899, 0.2882, 0.2323

Sweetspot

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



20.8909, 0.4270, 0.4320



48.8036, 0.3436, 0.3616



10.2947, 0.4408, 0.2812



10.9011, 0.3482, 0.3662



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.



20.8909, 0.4270, 0.4320



33.7637, 0.4531, 0.4461



27.8706, 0.3784, 0.4816



6.8936, 0.3267, 0.3442



13.9529, 0.4868, 0.4517



0.2730, 0.4515, 0.4797

Inverse Universe

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



9.9592, 0.2079, 0.1923



12.9509, 0.1869, 0.1570



6.6696, 0.2120, 0.1415



6.3290, 0.2988, 0.3134



3.7250, 0.1632, 0.1073



0.1159, 0.1853, 0.1871

Previews

White Background



This preview shows how the Yxy color 20.8899, 0.4270, 0.4320 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 20.8899, 0.4270, 0.4320 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

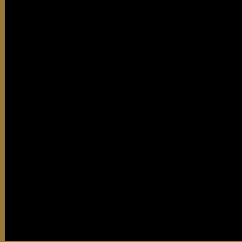
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.8899, 0.4270, 0.4320

Background



This preview shows how black text looks on a background with the Yxy color 20.8899, 0.4270, 0.4320.



This preview shows how white text looks on a background with the Yxy color 20.8899, 0.4270, 0.4320.

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

20.8899, 0.4270, 0.4320

Protanopia

20.8026, 0.4063, 0.4440

Deuteranopia

20.8063, 0.4334, 0.4255



Tritanopia

20.8848, 0.3565, 0.3145

Trichromacy



Original Color

20.8899, 0.4270, 0.4320

Protanomaly

20.9020, 0.4126, 0.4400

Deuteranomaly

20.9488, 0.4310, 0.4275

Tritanomaly

20.8455, 0.3841, 0.3591

Monochromacy



Original Color

20.8899, 0.4270, 0.4320

Achromatopsia

20.1556, 0.3127, 0.3290

Achromatomaly

20.1544, 0.3538, 0.3711

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.8899, 0.4270, 0.4320 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, 122, 57)` looks like.

```
.text, #text, p{  
    color:rgb(152, 122, 57)  
}
```

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, 122, 57) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 122, 57) }
```

Border

The CSS property to change the border of an element to Yxy 20.8899, 0.4270, 0.4320 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, 122, 57) }
```

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

```
.border{ border-color:rgb(152, 122, 57) }
```

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

Here you see how a box with a 4 pixel rgb(152, 122, 57) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 122, 57); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 122, 57);  
box-shadow:4px 4px 4px 4px rgb(152, 122,  
57) }
```


Background

The CSS property to change the background color of an element to Yxy 20.8899, 0.4270, 0.4320 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 122, 57) }
```

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

```
.background{ background-color: rgb(152,  
122, 57) }
```

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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