

Converting Colors

$Y_{xy}(20.7990, 0.3902, 0.3975)$

Have a look what the booklet for
Yxy(20.7990, 0.3902, 0.3975)
contains.

Yxy(20.9014, 0.3902, 0.3978)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(20.9014, 0.3902, 0.3978)

Conversions

Conversions Part 1

Format	Color
Hex	927B53
RGB	146, 123, 83
RGB Percent	57%, 48%, 33%
CMY	0.4273, 0.5177, 0.6745
CMYK	0.00, 0.16, 0.43, 0.43
HSL	38°, 28%, 45%
HSV	38°, 43%, 57%
XYZ	20.5021, 20.9014, 11.1390
YIQ	125.3170, 26.5480, -7.5640

Conversions

Conversions Part 2

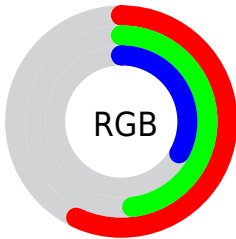
Format	Color
R_{YB}	119, 146, 83
Decimal	9599827
CIE Lab	52.84, 3.13, 25.15
CIE LCh	53, 25.348, 82.900
Yxy	20.9014, 0.3902, 0.3978
Android (android.graphics.Color)	4287789907 (0xFF927B53)
YUV	125.3170, -20.8623, 18.1390
Hunter-Lab	45.7180, 0.0410, 17.5569

Details

The Yxy color **20.9014, 0.3902, 0.3978** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **14.2323, 0.2426, 0.2481**, and the grayscale version is **20.6871, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.7709, 0.3732, 0.3828**, and **7.4108, 0.4204, 0.4211** is the 20% darker color. If you saturate the color by 10%, you get **19.4118, 0.4115, 0.4128**, and if you desaturate by 10%, it is **22.5127, 0.3698, 0.3817**.

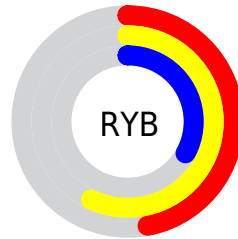
Distribution



Red (57%)

Green (48%)

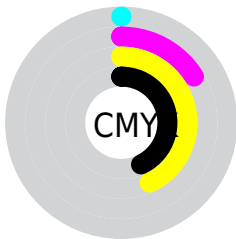
Blue (33%)



Red (47%)

Yellow (57%)

Blue (33%)

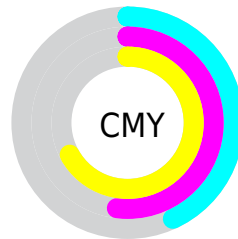


Cyan (0%)

Magenta (16%)

Yellow (43%)

Black (43%)



Cyan (43%)


Magenta (52%)

Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.9014, 0.3902, 0.3978 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 20.9014, 0.3902, 0.3978 by changing the saturation by 10% instead.


 20.9014, 0.3902,
0.3978

 20.9014, 0.3902,
0.3978

256.7540, 0.3467,
0.3598


 13.0519, 0.4026,
0.4083


 44.9234, 0.3732,
0.3832

 7.4643, 0.4194,
0.4221


 61.8647, 0.3672,
0.3779

 3.7541, 0.4427,
0.4405

 82.6054, 0.3623,
0.3736

 1.5370, 0.5060,
0.4940

 107.5300, 0.3581,
0.3700

 0.3146, 0.5441,
0.4559

 137.0227, 0.3546,
0.3669

 0.0000, 0.0000,
0.0000

171.4680, 0.3516,

0.3642

211.2503, 0.3490,
0.3619

■ 20.9014, 0.3902,
0.3978

■ 20.9014, 0.3902,
0.3978

■ 19.4118, 0.4115,
0.4128

■ 22.5127, 0.3698,
0.3817

■ 18.0367, 0.4331,
0.4257

■ 24.2466, 0.3507,
0.3653

■ 16.7728, 0.4540,
0.4355

■ 26.1078, 0.3332,
0.3492

■ 15.6148, 0.4732,
0.4412

■ 28.0995, 0.3174,
0.3337

■ 14.5572, 0.4897,
0.4421

■ 30.2252, 0.3032,
0.3191

■ 13.8814, 0.5002,
0.4410

■ 32.4879, 0.2905,
0.3054

■ 34.8906, 0.2792,
0.2928

■ 37.4362, 0.2692,
0.2811

■ 40.1275, 0.2603,
0.2705

Harmonies

Analogous

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



20.9014, 0.4053, 0.3667



20.9014, 0.3902, 0.3978



20.9014, 0.3544, 0.4127

Triad

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



20.9014, 0.3902, 0.3978



20.9014, 0.2377, 0.3198



20.9014, 0.3110, 0.2685

Complementary

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



20.9014, 0.3902, 0.3978



14.2323, 0.2426, 0.2481

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.



20.9014, 0.2678, 0.2555



20.9014, 0.3902, 0.3978



20.9014, 0.2280, 0.2812

Square

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



20.9014, 0.3902, 0.3978



20.9014, 0.2666, 0.3658



20.9014, 0.2386, 0.2591



20.9014, 0.3578, 0.2949

Rectangle

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



20.9014, 0.3902, 0.3978



20.9014, 0.3244, 0.4085



20.9014, 0.2386, 0.2591



20.9014, 0.2956, 0.2625

Sweetspot

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



20.9024, 0.3902, 0.3978



46.0021, 0.3334, 0.3494



13.3443, 0.3799, 0.2887



10.0833, 0.3368, 0.3526



72.9347, 0.3127, 0.3290



11.2805, 0.3127, 0.3290

Same Dimension

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



20.9024, 0.3902, 0.3978



34.2571, 0.4113, 0.4126



26.5619, 0.3652, 0.4357



6.3918, 0.3268, 0.3430



12.2542, 0.4997, 0.4415



0.2063, 0.4564, 0.4758

Inverse Universe

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



14.2323, 0.2426, 0.2481



20.8984, 0.2258, 0.2253



10.5092, 0.2444, 0.2032



5.9594, 0.2989, 0.3146



4.1358, 0.1669, 0.1206



0.1033, 0.1899, 0.2036

Previews

White Background



This preview shows how the Yxy color 20.9014, 0.3902, 0.3978 looks on a white background.

Color Contrast Check

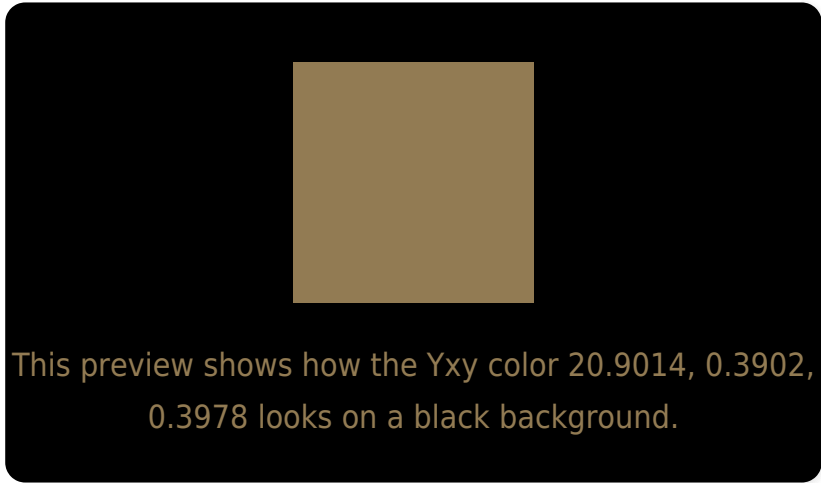
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



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 20.9014, 0.3902, 0.3978

Background



This preview shows how black text looks on a background with the Yxy color 20.9014, 0.3902, 0.3978.



This preview shows how white text looks on a background with the Yxy color 20.9014, 0.3902, 0.3978.

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

20.9014, 0.3902, 0.3978

Protanopia

20.8802, 0.3751, 0.4042

Deuteranopia

20.9747, 0.3995, 0.3926



Tritanopia

20.9732, 0.3427, 0.3141

Trichromacy



Original Color

20.9014, 0.3902, 0.3978

Protanomaly

20.8828, 0.3797, 0.4015

Deuteranomaly

21.0276, 0.3962, 0.3948

Tritanomaly

20.9702, 0.3610, 0.3445

Monochromacy



Original Color

20.9014, 0.3902, 0.3978

Achromatopsia

20.5079, 0.3127, 0.3290

Achromatomaly

20.5276, 0.3402, 0.3545

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.9014, 0.3902, 0.3978 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(146, 123, 83)` looks like.

```
.text, #text, p{  
    color:rgb(146, 123, 83)  
}
```

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(146, 123, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 123, 83) }
```

Border

The CSS property to change the border of an element to Yxy 20.9014, 0.3902, 0.3978 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(146, 123, 83) }
```

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

```
.border{ border-color:rgb(146, 123, 83) }
```

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

Here you see how a box with a 4 pixel `rgb(146, 123, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 123, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 123, 83);  
box-shadow:4px 4px 4px 4px rgb(146, 123,  
83) }
```


Background

The CSS property to change the background color of an element to Yxy 20.9014, 0.3902, 0.3978 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 123, 83) }
```

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

```
.background{ background-color: rgb(146,  
123, 83) }
```

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