

Converting Colors

$Y_{xy}(20.8300, 0.3904, 0.4043)$

Have a look what the booklet for
Yxy(20.8300, 0.3904, 0.4043)
contains.

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Color

Yxy(20.9238, 0.3903, 0.4051)

Conversions

Conversions Part 1

Format	Color
Hex	907C50
RGB	144, 124, 80
RGB Percent	56%, 49%, 31%
CMY	0.4352, 0.5137, 0.6862
CMYK	0.00, 0.14, 0.44, 0.44
HSL	41°, 29%, 44%
HSV	41°, 44%, 56%
XYZ	20.1594, 20.9238, 10.5678
YIQ	124.9640, 26.0440, -9.4440

Conversions

Conversions Part 2

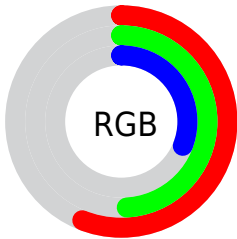
Format	Color
R_{YB}	109, 144, 80
Decimal	9469008
CIE _{Lab}	52.87, 1.35, 26.82
CIE _{LCh}	53, 26.856, 87.126
Yxy	20.9238, 0.3903, 0.4051
Android (android.graphics.Color)	4287659088 (0xFF907C50)
YUV	124.9640, -22.1673, 16.6946
Hunter-Lab	45.7425, -1.3820, 18.3222

Details

The Yxy color **20.9238, 0.3903, 0.4051** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **12.8398, 0.2393, 0.2381**, and the grayscale version is **20.5662, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.8045, 0.3735, 0.3882**, and **7.4230, 0.4195, 0.4314** is the 20% darker color. If you saturate the color by 10%, you get **19.6310, 0.4102, 0.4209**, and if you desaturate by 10%, it is **22.3158, 0.3708, 0.3880**.

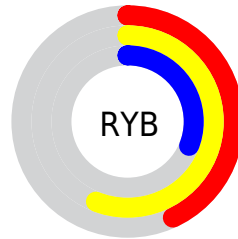
Distribution



Red (56%)

Green (49%)

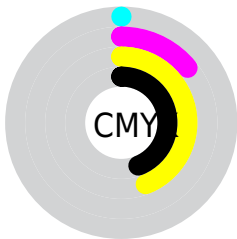
Blue (31%)



Red (43%)

Yellow (56%)

Blue (31%)

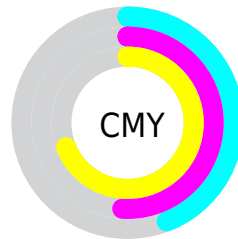


Cyan (0%)

Magenta (14%)

Yellow (44%)

Black (44%)



Cyan (44%)


Magenta (51%)

Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.9238, 0.3903, 0.4051 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 20.9238, 0.3903, 0.4051 by changing the saturation by 10% instead.


 20.9238, 0.3903,
0.4051


 20.9238, 0.3903,
0.4051


256.8733, 0.3470,
0.3629


 13.0683, 0.4025,
0.4168


 44.9607, 0.3735,
0.3888

 7.4756, 0.4187,
0.4322


 61.9109, 0.3675,
0.3830


 3.7613, 0.4410,
0.4529

 82.6614, 0.3626,
0.3782

 1.5409, 0.4954,
0.5046

 107.5967, 0.3584,
0.3741

 0.3173, 0.5132,
0.4868

 137.1011, 0.3549,
0.3707

 0.0000, 0.0000,
0.0000

171.5591, 0.3519,

0.3677

211.3550, 0.3493,
0.3652

■ 20.9238, 0.3903,
0.4051

■ 20.9238, 0.3903,
0.4051

■ 19.6310, 0.4102,
0.4209

■ 22.3158, 0.3708,
0.3880

■ 18.4307, 0.4299,
0.4345

■ 23.8074, 0.3523,
0.3704

■ 17.3201, 0.4485,
0.4448

■ 25.4026, 0.3351,
0.3530

■ 16.2946, 0.4650,
0.4509

■ 27.1045, 0.3193,
0.3362

■ 15.3487, 0.4788,
0.4523

■ 28.9159, 0.3049,
0.3202

■ 14.8495, 0.4861,
0.4522

■ 30.8393, 0.2920,
0.3053

■ 32.8773, 0.2804,
0.2914

■ 35.0325, 0.2701,
0.2786

■ 37.3071, 0.2609,
0.2669

Harmonies

Analogous

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



20.9238, 0.4101, 0.3737



20.9238, 0.3903, 0.4051



20.9238, 0.3501, 0.4180

Triad

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



20.9238, 0.3903, 0.4051



20.9238, 0.2309, 0.3125



20.9238, 0.3178, 0.2684

Complementary

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



20.9238, 0.3903, 0.4051



12.8398, 0.2393, 0.2381

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.



20.9238, 0.2709, 0.2525



20.9238, 0.3903, 0.4051



20.9238, 0.2238, 0.2738

Square

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



20.9238, 0.3903, 0.4051



20.9238, 0.2585, 0.3613



20.9238, 0.2378, 0.2536



20.9238, 0.3669, 0.2978

Rectangle

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



20.9238, 0.3903, 0.4051



20.9238, 0.3180, 0.4110



20.9238, 0.2378, 0.2536



20.9238, 0.3012, 0.2614

Sweetspot

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



20.9248, 0.3903, 0.4051



45.1376, 0.3331, 0.3510



12.5952, 0.3884, 0.2932



10.2163, 0.3365, 0.3545



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.



20.9248, 0.3903, 0.4051



34.6952, 0.4095, 0.4204



25.4582, 0.3628, 0.4401



6.0047, 0.3266, 0.3441



12.9716, 0.4857, 0.4526



0.1635, 0.4497, 0.4811

Inverse Universe

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



12.8398, 0.2393, 0.2381



18.6398, 0.2224, 0.2139



10.0155, 0.2459, 0.2004



5.5131, 0.2990, 0.3135



3.4284, 0.1631, 0.1071



0.0687, 0.1855, 0.1877

Previews

White Background



This preview shows how the Yxy color 20.9238, 0.3903, 0.4051 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 20.9238, 0.3903, 0.4051 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

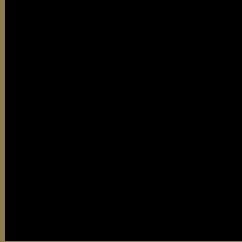
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.9238, 0.3903, 0.4051

Background



This preview shows how black text looks on a background with the Yxy color 20.9238, 0.3903, 0.4051.



This preview shows how white text looks on a background with the Yxy color 20.9238, 0.3903, 0.4051.

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

20.9238, 0.3903, 0.4051

Protanopia

20.8342, 0.3785, 0.4094

Deuteranopia

20.9442, 0.4019, 0.3958



Tritanopia

20.8787, 0.3414, 0.3140

Trichromacy



Original Color

20.9238, 0.3903, 0.4051

Protanomaly

20.8368, 0.3832, 0.4066

Deuteranomaly

20.9027, 0.3972, 0.3984

Tritanomaly

20.7618, 0.3597, 0.3463

Monochromacy



Original Color

20.9238, 0.3903, 0.4051

Achromatopsia

20.5079, 0.3127, 0.3290

Achromatomaly

20.6769, 0.3398, 0.3583

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.9238, 0.3903, 0.4051 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(144, 124, 80)` looks like.

```
.text, #text, p{  
    color:rgb(144, 124, 80)  
}
```

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(144, 124, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 124, 80) }
```

Border

The CSS property to change the border of an element to Yxy 20.9238, 0.3903, 0.4051 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(144, 124, 80) }
```

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

```
.border{ border-color:rgb(144, 124, 80) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 124, 80)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 124, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 124, 80);  
box-shadow:4px 4px 4px 4px rgb(144, 124,  
80) }
```


Background

The CSS property to change the background color of an element to Yxy 20.9238, 0.3903, 0.4051 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 124, 80) }
```

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

```
.background{ background-color: rgb(144,  
124, 80) }
```

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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