

Converting Colors

$Y_{xy}(20.2920, 0.4032, 0.3737)$

Have a look what the booklet for
Yxy(20.2920, 0.4032, 0.3737)
contains.

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Color

Yxy(20.3801, 0.4024, 0.3735)

Conversions

Conversions Part 1

Format	Color
Hex	9D7459
RGB	157, 116, 89
RGB Percent	62%, 45%, 35%
CMY	0.3842, 0.5451, 0.6510
CMYK	0.00, 0.26, 0.43, 0.38
HSL	24°, 28%, 48%
HSV	24°, 43%, 62%
XYZ	21.9570, 20.3801, 12.2281
YIQ	125.1810, 33.1030, 0.2950

Conversions

Conversions Part 2

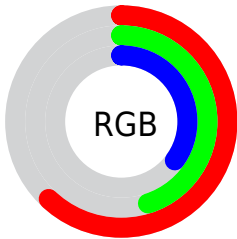
Format	Color
RYB	157, 134, 89
Decimal	10318937
CIELab	52.26, 12.55, 21.20
CIELCh	52, 24.641, 59.375
Yxy	20.3801, 0.4024, 0.3735
Android (android.graphics.Color)	4288509017 (0xFF9D7459)
YUV	125.1810, -17.8372, 27.9053
Hunter-Lab	45.1443, 7.8152, 15.5414

Details

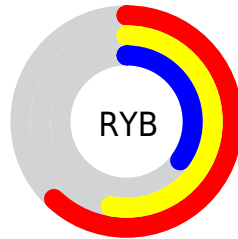
The Yxy color **20.3801, 0.4024, 0.3735** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **20.5342, 0.2471, 0.2788**, and the grayscale version is **20.6262, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.0155, 0.3822, 0.3649**, and **7.2517, 0.4388, 0.3875** is the 20% darker color. If you saturate the color by 10%, you get **18.0714, 0.4310, 0.3831**, and if you desaturate by 10%, it is **22.9698, 0.3768, 0.3630**.

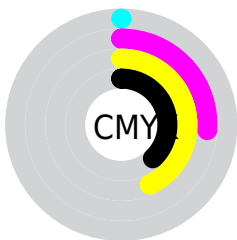
Distribution



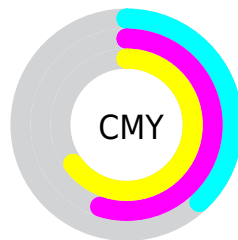
- Red (62%)
- Green (45%)
- Blue (35%)



- Red (62%)
- Yellow (53%)
- Blue (35%)



- Cyan (0%)
- Magenta (26%)
- Yellow (43%)
- Black (38%)





- Cyan (38%)
- Magenta (55%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.3801, 0.4024, 0.3735 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 20.3801, 0.4024, 0.3735 by changing the saturation by 10% instead.


 20.3801, 0.4024,
0.3735


 20.3801, 0.4024,
0.3735


253.9654, 0.3512,
0.3499


 12.6716, 0.4176,
0.3795


 44.0535, 0.3821,
0.3647


 7.2028, 0.4386,
0.3870


 60.7873, 0.3750,
0.3615


 3.5893, 0.4691,
0.3961

 81.2983, 0.3692,
0.3587

 1.4466, 0.5606,
0.4394

 105.9709, 0.3644,
0.3564

 0.2507, 0.6848,
0.3152

 135.1895, 0.3604,
0.3544

 0.0000, 0.0000,
0.0000

169.3386, 0.3569,

0.3527

208.8024, 0.3539,
0.3512

■ 20.3801, 0.4024,
0.3735

■ 20.3801, 0.4024,
0.3735

■ 18.0714, 0.4310,
0.3831

■ 22.9698, 0.3768,
0.3630

■ 16.0304, 0.4618,
0.3908

■ 25.8471, 0.3542,
0.3524

■ 14.2471, 0.4936,
0.3955

■ 29.0222, 0.3346,
0.3420

■ 12.7096, 0.5244,
0.3960

■ 32.5038, 0.3178,
0.3321

■ 11.4047, 0.5517,
0.3915

■ 36.3001, 0.3033,
0.3229

■ 10.6490, 0.5685,
0.3868

■ 40.4193, 0.2908,
0.3144

■ 44.8689, 0.2801,
0.3066

■ 49.6564, 0.2709,
0.2994

■ 54.7890, 0.2629,
0.2929

Harmonies

Analogous

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



20.3801, 0.3966, 0.3378



20.3801, 0.4024, 0.3735



20.3801, 0.3826, 0.4014

Triad

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



20.3801, 0.4024, 0.3735



20.3801, 0.2600, 0.3556



20.3801, 0.2769, 0.2582

Complementary

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



20.3801, 0.4024, 0.3735



20.5342, 0.2471, 0.2788

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.



20.3801, 0.2447, 0.2582



20.3801, 0.4024, 0.3735



20.3801, 0.2354, 0.3108

Square

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



20.3801, 0.4024, 0.3735



20.3801, 0.2995, 0.3944



20.3801, 0.2301, 0.2760



20.3801, 0.3211, 0.2742

Rectangle

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



20.3801, 0.4024, 0.3735



20.3801, 0.3585, 0.4105



20.3801, 0.2301, 0.2760



20.3801, 0.2645, 0.2563

Sweetspot

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



20.3811, 0.4024, 0.3735



51.9983, 0.3345, 0.3419



15.9533, 0.3541, 0.2618



11.1727, 0.3383, 0.3441



78.7412, 0.3127, 0.3290



13.2868, 0.3127, 0.3290

Same Dimension

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



20.3811, 0.4024, 0.3735



32.4766, 0.4300, 0.3828



29.4155, 0.3803, 0.4225



7.0564, 0.3275, 0.3379



8.7144, 0.5671, 0.3879



0.2359, 0.5005, 0.4408

Inverse Universe

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



20.5342, 0.2471, 0.2788



32.7611, 0.2334, 0.2652



13.0973, 0.2364, 0.2138



7.0673, 0.2988, 0.3199



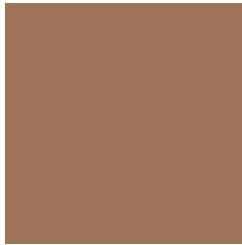
8.6553, 0.1879, 0.1964



0.2357, 0.2043, 0.2554

Previews

White Background



This preview shows how the Yxy color 20.3801, 0.4024, 0.3735 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 20.3801, 0.4024, 0.3735 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

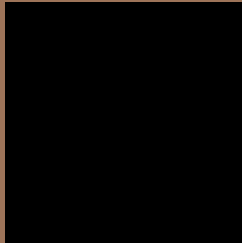
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.3801, 0.4024, 0.3735

Background



This preview shows how black text looks on a background with the Yxy color 20.3801, 0.4024, 0.3735.



This preview shows how white text looks on a background with the Yxy color 20.3801, 0.4024, 0.3735.

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

20.3801, 0.4024, 0.3735

Protanopia

20.5259, 0.3613, 0.3875

Deuteranopia

20.5271, 0.3902, 0.3837



Tritanopia

20.4180, 0.3668, 0.3163

Trichromacy



Original Color

20.3801, 0.4024, 0.3735

Protanomaly

20.4426, 0.3747, 0.3821

Deuteranomaly

20.5736, 0.3949, 0.3813

Tritanomaly

20.2853, 0.3801, 0.3357

Monochromacy



Original Color

20.3801, 0.4024, 0.3735

Achromatopsia

20.5079, 0.3127, 0.3290

Achromatomaly

20.4073, 0.3435, 0.3470

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.3801, 0.4024, 0.3735 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(157, 116, 89)` looks like.

```
.text, #text, p{  
    color:rgb(157, 116, 89)  
}
```

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(157, 116, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 116, 89) }
```

Border

The CSS property to change the border of an element to Yxy 20.3801, 0.4024, 0.3735 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(157, 116, 89) }
```

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

```
.border{ border-color:rgb(157, 116, 89) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 116, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 116, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 116, 89);  
box-shadow:4px 4px 4px 4px rgb(157, 116,  
89) }
```


Background

The CSS property to change the background color of an element to Yxy 20.3801, 0.4024, 0.3735 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 116, 89) }
```

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

```
.background{ background-color: rgb(157,  
116, 89) }
```

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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