

Converting Colors

$Y_{xy}(20.1375, 0.3952, 0.3640)$

Have a look what the booklet for
Yxy(20.1375, 0.3952, 0.3640)
contains.

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Color

Yxy(20.1375, 0.3952, 0.3640)

Conversions

Conversions Part 1

Format	Color
Hex	9C735E
RGB	156, 115, 94
RGB Percent	61%, 45%, 37%
CMY	0.3882, 0.5490, 0.6314
CMYK	0.00, 0.26, 0.40, 0.39
HSL	20°, 25%, 49%
HSV	20°, 40%, 61%
XYZ	21.8636, 20.1375, 13.3217
YIQ	124.8650, 31.1770, 2.1610

Conversions

Conversions Part 2

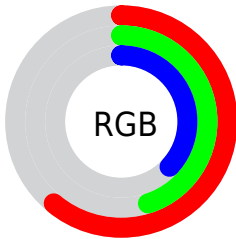
Format	Color
RYB	156, 126, 94
Decimal	10253150
CIELab	51.99, 13.29, 17.94
CIELCh	52, 22.326, 53.471
Yxy	20.1375, 0.3952, 0.3640
Android (android.graphics.Color)	4288443230 (0xFF9C735E)
YUV	124.8650, -15.2164, 27.3054
Hunter-Lab	44.8748, 8.4365, 13.8113

Details

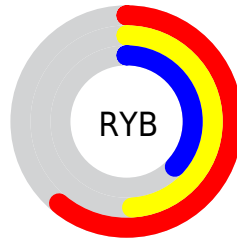
The Yxy color **20.1375, 0.3952, 0.3640** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **22.1111, 0.2534, 0.2905**, and the grayscale version is **20.5052, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.6481, 0.3770, 0.3577**, and **7.1113, 0.4284, 0.3746** is the 20% darker color. If you saturate the color by 10%, you get **17.6632, 0.4244, 0.3725**, and if you desaturate by 10%, it is **22.9337, 0.3696, 0.3549**.

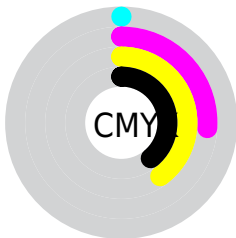
Distribution



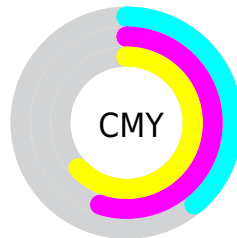
- Red (61%)
- Green (45%)
- Blue (37%)



- Red (61%)
- Yellow (49%)
- Blue (37%)



- Cyan (0%)
- Magenta (26%)
- Yellow (40%)
- Black (39%)





- Cyan (39%)
- Magenta (55%)
- Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 20.1375, 0.3952, 0.3640 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 20.1375, 0.3952, 0.3640 by changing the saturation by 10% instead.


 20.1375, 0.3952,
0.3640


 20.1375, 0.3952,
0.3640


252.6585, 0.3479,
0.3455

 12.4950, 0.4094,
0.3687


 43.6476, 0.3764,
0.3571


 7.0818, 0.4293,
0.3747


 60.2840, 0.3698,
0.3545

 3.5133, 0.4588,
0.3820

 80.6872, 0.3645,
0.3524

 1.4052, 0.5337,
0.4104

 105.2415, 0.3600,
0.3506

 0.2206, 0.7077,
0.2923

134.3315, 0.3563,
0.3490

 0.0000, 0.0000,
0.0000

168.3413, 0.3531,

0.3477

207.6555, 0.3503,
0.3465

■ 20.1375, 0.3952,
0.3640

■ 20.1375, 0.3952,
0.3640

■ 17.6632, 0.4244,
0.3725

■ 22.9337, 0.3696,
0.3549

■ 15.4960, 0.4567,
0.3797

■ 26.0604, 0.3474,
0.3458

■ 13.6238, 0.4910,
0.3843

■ 29.5293, 0.3285,
0.3371

■ 12.0327, 0.5252,
0.3853

■ 33.3507, 0.3124,
0.3288

■ 10.7073, 0.5564,
0.3817

■ 37.5345, 0.2986,
0.3212

■ 9.6249, 0.5835,
0.3746

■ 42.0900, 0.2870,
0.3141

■ 9.6012, 0.5841,
0.3744

■ 47.0264, 0.2770,
0.3077

■ 52.3524, 0.2685,
0.3018

■ 58.0764, 0.2611,
0.2965

Harmonies

Analogous

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



20.1375, 0.3850, 0.3308



20.1375, 0.3952, 0.3640



20.1375, 0.3816, 0.3913

Triad

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



20.1375, 0.3952, 0.3640



20.1375, 0.2709, 0.3610



20.1375, 0.2733, 0.2628

Complementary

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



20.1375, 0.3952, 0.3640



22.1111, 0.2534, 0.2905

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.



20.1375, 0.2465, 0.2662



20.1375, 0.3952, 0.3640



20.1375, 0.2451, 0.3204

Square

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



20.1375, 0.3952, 0.3640



20.1375, 0.3090, 0.3929



20.1375, 0.2365, 0.2860



20.1375, 0.3122, 0.2748

Rectangle

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



20.1375, 0.3952, 0.3640



20.1375, 0.3618, 0.4016



20.1375, 0.2365, 0.2860



20.1375, 0.2627, 0.2621

Sweetspot

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



20.1385, 0.3952, 0.3640



51.9987, 0.3329, 0.3392



16.8323, 0.3451, 0.2627



11.2757, 0.3351, 0.3402



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.



20.1385, 0.3952, 0.3640



32.4152, 0.4219, 0.3719



28.3369, 0.3763, 0.4107



6.9951, 0.3276, 0.3366



7.9654, 0.5828, 0.3754



0.2166, 0.5133, 0.4306

Inverse Universe

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



22.1111, 0.2534, 0.2905



36.4932, 0.2407, 0.2799



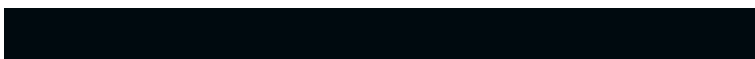
14.7469, 0.2444, 0.2310



7.1307, 0.2988, 0.3213



10.0607, 0.1935, 0.2167



0.2550, 0.2075, 0.2670

Previews

White Background



This preview shows how the Yxy color 20.1375, 0.3952, 0.3640 looks on a white background.

Color Contrast Check

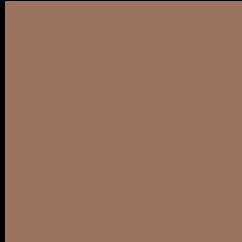
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.1375, 0.3952, 0.3640 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

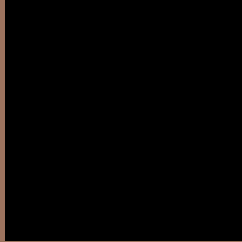
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.1375, 0.3952, 0.3640

Background



This preview shows how black text looks on a background with the Yxy color 20.1375, 0.3952, 0.3640.



This preview shows how white text looks on a background with the Yxy color 20.1375, 0.3952, 0.3640.

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

20.1375, 0.3952, 0.3640

Protanopia

20.2027, 0.3532, 0.3770

Deuteranopia

20.0950, 0.3805, 0.3743



Tritanopia

19.9940, 0.3645, 0.3145

Trichromacy



Original Color

20.1375, 0.3952, 0.3640

Protanomaly

20.2005, 0.3677, 0.3718

Deuteranomaly

20.2312, 0.3865, 0.3718

Tritanomaly

19.9041, 0.3751, 0.3308

Monochromacy



Original Color

20.1375, 0.3952, 0.3640

Achromatopsia

20.5079, 0.3127, 0.3290

Achromatomaly

20.1239, 0.3400, 0.3417

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.1375, 0.3952, 0.3640 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(156, 115, 94)` looks like.

```
.text, #text, p{  
    color:rgb(156, 115, 94)  
}
```

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(156, 115, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 115, 94) }
```

Border

The CSS property to change the border of an element to Yxy 20.1375, 0.3952, 0.3640 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(156, 115, 94) }
```

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

```
.border{ border-color:rgb(156, 115, 94) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 115, 94)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 115, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 115, 94);  
box-shadow:4px 4px 4px 4px rgb(156, 115,  
94) }
```


Background

The CSS property to change the background color of an element to Yxy 20.1375, 0.3952, 0.3640 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 115, 94) }
```

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

```
.background{ background-color: rgb(156,  
115, 94) }
```

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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