

Converting Colors

$Y_{xy}(20.3214, 0.3880, 0.3653)$

Have a look what the booklet for
Yxy(20.3214, 0.3880, 0.3653)
contains.

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Color

Yxy(20.3211, 0.3886, 0.3662)

Conversions

Conversions Part 1

Format	Color
Hex	99755F
RGB	153, 117, 95
RGB Percent	60%, 46%, 37%
CMY	0.4000, 0.5412, 0.6275
CMYK	0.00, 0.24, 0.38, 0.40
HSL	23°, 23%, 49%
HSV	23°, 38%, 60%
XYZ	21.5641, 20.3211, 13.6066
YIQ	125.2560, 28.5180, 0.7900

Conversions

Conversions Part 2

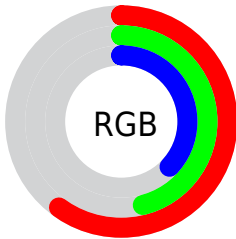
Format	Color
R_{YB}	153, 130, 95
Decimal	10057055
CIE _{Lab}	52.20, 11.00, 17.59
CIE _{LCh}	52, 20.746, 57.994
Yxy	20.3211, 0.3886, 0.3662
Android (android.graphics.Color)	4288247135 (0xFF99755F)
YUV	125.2560, -14.9162, 24.3315
Hunter-Lab	45.0789, 6.4998, 13.6592

Details

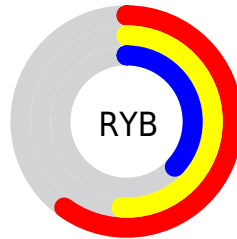
The Yxy color **20.3211, 0.3886, 0.3662** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **20.9602, 0.2554, 0.2881**, and the grayscale version is **20.6432, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.8612, 0.3705, 0.3580**, and **7.1873, 0.4178, 0.3783** is the 20% darker color. If you saturate the color by 10%, you get **17.9693, 0.4160, 0.3759**, and if you desaturate by 10%, it is **22.9539, 0.3644, 0.3560**.

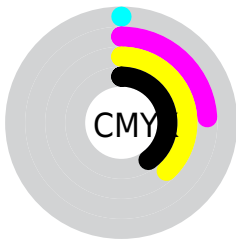
Distribution



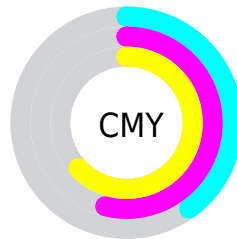
- Red (60%)
- Green (46%)
- Blue (37%)



- Red (60%)
- Yellow (51%)
- Blue (37%)



- Cyan (0%)
- Magenta (24%)
- Yellow (38%)
- Black (40%)





- Cyan (40%)
- Magenta (54%)
- Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 20.3211, 0.3886, 0.3662 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 20.3211, 0.3886, 0.3662 by changing the saturation by 10% instead.


 20.3211, 0.3886,
0.3662

 20.3211, 0.3886,
0.3662


253.6482, 0.3452,
0.3462


 12.6287, 0.4016,
0.3715


 43.9549, 0.3713,
0.3586


 7.1733, 0.4198,
0.3784


 60.6650, 0.3653,
0.3559

 3.5707, 0.4468,
0.3872

 81.1498, 0.3604,
0.3536

 1.4365, 0.5136,
0.4167

 105.7938, 0.3563,
0.3516

 0.2434, 0.6725,
0.3275

134.9811, 0.3529,
0.3500

 0.0000, 0.0000,
0.0000

169.0964, 0.3500,

0.3485

208.5240, 0.3474,
0.3473

■ 20.3211, 0.3886,
0.3662

■ 20.3211, 0.3886,
0.3662

■ 17.9693, 0.4160,
0.3759

■ 22.9539, 0.3644,
0.3560

■ 15.8857, 0.4463,
0.3844

■ 25.8741, 0.3434,
0.3460

■ 14.0608, 0.4784,
0.3905


■ 29.0915, 0.3252,
0.3363


■ 12.4833, 0.5108,
0.3931


■ 32.6147, 0.3097,
0.3272

■ 11.1406, 0.5411,
0.3911

■ 36.4516, 0.2964,
0.3187


 10.0160, 0.5674,
0.3847

 40.6101, 0.2850,
0.3110

 9.8065, 0.5729,
0.3833

 45.0977, 0.2752,
0.3039

 49.9217, 0.2667,
0.2974

 55.0889, 0.2594,
0.2914

Harmonies

Analogous

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



20.3211, 0.3824, 0.3356



20.3211, 0.3886, 0.3662



20.3211, 0.3732, 0.3897

Triad

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



20.3211, 0.3886, 0.3662



20.3211, 0.2695, 0.3531



20.3211, 0.2810, 0.2682

Complementary

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



20.3211, 0.3886, 0.3662



20.9602, 0.2554, 0.2881

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.



20.3211, 0.2539, 0.2691



20.3211, 0.3886, 0.3662



20.3211, 0.2475, 0.3159

Square

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



20.3211, 0.3886, 0.3662



20.3211, 0.3037, 0.3845



20.3211, 0.2421, 0.2855



20.3211, 0.3183, 0.2813

Rectangle

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



20.3211, 0.3886, 0.3662



20.3211, 0.3534, 0.3973



20.3211, 0.2421, 0.2855



20.3211, 0.2705, 0.2668

Sweetspot

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



20.3221, 0.3886, 0.3662



50.1376, 0.3309, 0.3394



16.6121, 0.3459, 0.2688



10.9140, 0.3331, 0.3406



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.



20.3221, 0.3886, 0.3662



32.5835, 0.4131, 0.3750



27.9329, 0.3721, 0.4097



6.5878, 0.3274, 0.3375



8.1644, 0.5716, 0.3844



0.1887, 0.5012, 0.4403

Inverse Universe

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



20.9602, 0.2554, 0.2881



33.8836, 0.2425, 0.2765



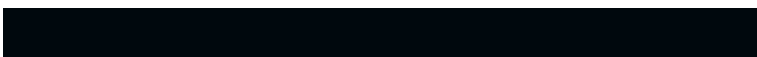
14.3757, 0.2475, 0.2327



6.6324, 0.2989, 0.3204



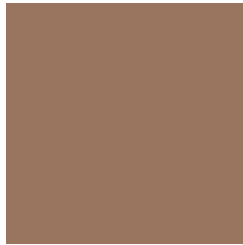
8.7206, 0.1896, 0.2026



0.2002, 0.2065, 0.2634

Previews

White Background



This preview shows how the Yxy color 20.3211, 0.3886, 0.3662 looks on a white background.

Color Contrast Check

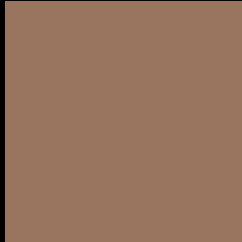
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.3211, 0.3886, 0.3662 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

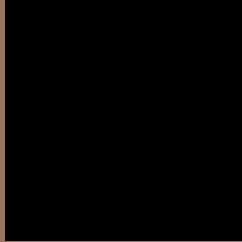
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.3211, 0.3886, 0.3662

Background



This preview shows how black text looks on a background with the Yxy color 20.3211, 0.3886, 0.3662.



This preview shows how white text looks on a background with the Yxy color 20.3211, 0.3886, 0.3662.

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

20.3211, 0.3886, 0.3662

Protanopia

20.5356, 0.3541, 0.3785

Deuteranopia

20.4441, 0.3800, 0.3741



Tritanopia

20.2833, 0.3585, 0.3144

Trichromacy



Original Color

20.3211, 0.3886, 0.3662

Protanomaly

20.3576, 0.3659, 0.3737

Deuteranomaly

20.3914, 0.3833, 0.3720

Tritanomaly

20.1730, 0.3702, 0.3325

Monochromacy



Original Color

20.3211, 0.3886, 0.3662

Achromatopsia

20.5079, 0.3127, 0.3290

Achromatomaly

20.2849, 0.3385, 0.3435

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.3211, 0.3886, 0.3662 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(153, 117, 95)` looks like.

```
.text, #text, p{  
    color:rgb(153, 117, 95)  
}
```

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(153, 117, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 117, 95) }
```

Border

The CSS property to change the border of an element to Yxy 20.3211, 0.3886, 0.3662 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(153, 117, 95) }
```

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

```
.border{ border-color:rgb(153, 117, 95) }
```

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

Here you see how a box with a 4 pixel rgb(153, 117, 95) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 117, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 117, 95);  
box-shadow:4px 4px 4px 4px rgb(153, 117,  
95) }
```


Background

The CSS property to change the background color of an element to Yxy 20.3211, 0.3886, 0.3662 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 117, 95) }
```

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

```
.background{ background-color: rgb(153,  
117, 95) }
```

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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