

Converting Colors

$Y_{xy}(20.6125, 0.4039, 0.3869)$

Have a look what the booklet for
Yxy(20.6125, 0.4039, 0.3869)
contains.

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Color

$\text{Yxy}(20.4670, 0.4032, 0.3856)$

Conversions

Conversions Part 1

Format	Color
Hex	9A7654
RGB	154, 118, 84
RGB Percent	60%, 46%, 33%
CMY	0.3962, 0.5372, 0.6706
CMYK	0.00, 0.23, 0.45, 0.40
HSL	29°, 29%, 47%
HSV	29°, 45%, 60%
XYZ	21.4012, 20.4670, 11.2101
YIQ	124.8880, 32.3700, -2.9420

Conversions

Conversions Part 2

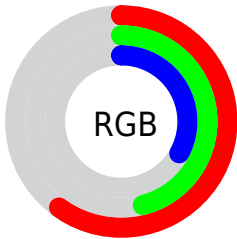
Format	Color
RYB	154, 150, 84
Decimal	10122836
CIELab	52.36, 9.52, 24.13
CIElCh	52, 25.938, 68.458
Yxy	20.4670, 0.4032, 0.3856
Android (android.graphics.Color)	4288312916 (0xFF9A7654)
YUV	124.8880, -20.1578, 25.5312
Hunter-Lab	45.2405, 5.2693, 16.9769

Details

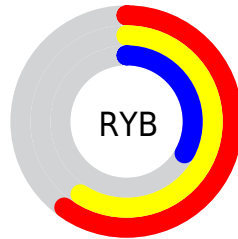
The Yxy color **20.4670, 0.4032, 0.3856** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **17.6398, 0.2419, 0.2635**, and the grayscale version is **20.5295, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.1723, 0.3831, 0.3740**, and **7.2870, 0.4388, 0.4044** is the 20% darker color. If you saturate the color by 10%, you get **18.4663, 0.4293, 0.3970**, and if you desaturate by 10%, it is **22.6791, 0.3791, 0.3731**.

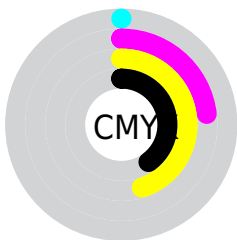
Distribution



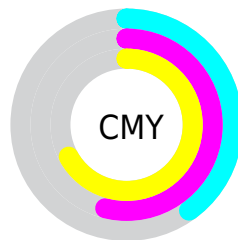
- Red (60%)
- Green (46%)
- Blue (33%)



- Red (60%)
- Yellow (59%)
- Blue (33%)



- Cyan (0%)
- Magenta (23%)
- Yellow (45%)
- Black (40%)





- Cyan (40%)
- Magenta (54%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.4670, 0.4032, 0.3856 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 20.4670, 0.4032, 0.3856 by changing the saturation by 10% instead.


 20.4670, 0.4032,
0.3856


 20.4670, 0.4032,
0.3856


254.4322, 0.3519,
0.3551


 12.7350, 0.4182,
0.3936

 44.1988, 0.3830,
0.3742


 7.2463, 0.4387,
0.4036


 60.9673, 0.3759,
0.3699

 3.6166, 0.4678,
0.4161

 81.5168, 0.3700,
0.3664

 1.4615, 0.5435,
0.4565

 106.2316, 0.3652,
0.3635

 0.2614, 0.6479,
0.3521

 135.4961, 0.3611,
0.3609

 0.0000, 0.0000,
0.0000

169.6948, 0.3576,

0.3587

209.2120, 0.3545,
0.3568

■ 20.4670, 0.4032,
0.3856

■ 20.4670, 0.4032,
0.3856

■ 18.4663, 0.4293,
0.3970

■ 22.6791, 0.3791,
0.3731

■ 16.6666, 0.4567,
0.4062

■ 25.1065, 0.3573,
0.3602

■ 15.0611, 0.4842,
0.4121

■ 27.7566, 0.3380,
0.3475

■ 13.6411, 0.5100,
0.4134

■ 30.6358, 0.3210,
0.3353

■ 12.3962, 0.5326,
0.4097

■ 33.7498, 0.3062,
0.3239

■ 11.8790, 0.5427,
0.4073

■ 37.1043, 0.2933,
0.3133

■ 40.7048, 0.2820,
0.3034

■ 44.5566, 0.2722,
0.2944

■ 48.6648, 0.2636,
0.2862

Harmonies

Analogous

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



20.4670, 0.4058, 0.3495



20.4670, 0.4032, 0.3856



20.4670, 0.3753, 0.4106

Triad

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



20.4670, 0.4032, 0.3856



20.4670, 0.2476, 0.3423



20.4670, 0.2882, 0.2584

Complementary

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



20.4670, 0.4032, 0.3856



17.6398, 0.2419, 0.2635

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.



20.4670, 0.2499, 0.2529



20.4670, 0.4032, 0.3856



20.4670, 0.2278, 0.2970

Square

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



20.4670, 0.4032, 0.3856



20.4670, 0.2850, 0.3874



20.4670, 0.2288, 0.2656



20.4670, 0.3364, 0.2795

Rectangle

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



20.4670, 0.4032, 0.3856



20.4670, 0.3472, 0.4154



20.4670, 0.2288, 0.2656



20.4670, 0.2738, 0.2547

Sweetspot

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



20.4680, 0.4032, 0.3856



49.5976, 0.3359, 0.3460



14.5680, 0.3681, 0.2696



10.7371, 0.3395, 0.3485



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.



20.4680, 0.4032, 0.3856



32.4085, 0.4310, 0.3976



30.2264, 0.3790, 0.4359



6.6935, 0.3272, 0.3398



9.7531, 0.5415, 0.4083



0.2182, 0.4805, 0.4567

Inverse Universe

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



17.6398, 0.2419, 0.2635



26.7395, 0.2261, 0.2447



10.7405, 0.2299, 0.1937



6.5249, 0.2989, 0.3179



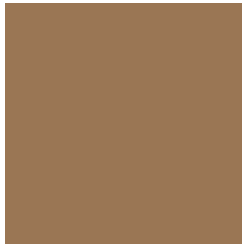
6.5448, 0.1795, 0.1660



0.1706, 0.2000, 0.2401

Previews

White Background



This preview shows how the Yxy color 20.4670, 0.4032, 0.3856 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 20.4670, 0.4032, 0.3856 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

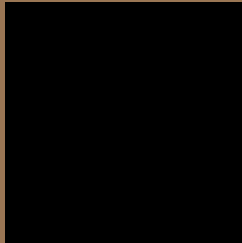
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.4670, 0.4032, 0.3856

Background



This preview shows how black text looks on a background with the Yxy color 20.4670, 0.4032, 0.3856.



This preview shows how white text looks on a background with the Yxy color 20.4670, 0.4032, 0.3856.

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

20.4670, 0.4032, 0.3856

Protanopia

20.5062, 0.3697, 0.3980

Deuteranopia

20.5571, 0.3964, 0.3900



Tritanopia

20.3835, 0.3598, 0.3144

Trichromacy



Original Color

20.4670, 0.4032, 0.3856

Protanomaly

20.3417, 0.3820, 0.3925

Deuteranomaly

20.4131, 0.3985, 0.3881

Tritanomaly

20.4121, 0.3764, 0.3408

Monochromacy



Original Color

20.4670, 0.4032, 0.3856

Achromatopsia

20.5079, 0.3127, 0.3290

Achromatomaly

20.2791, 0.3446, 0.3507

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.4670, 0.4032, 0.3856 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(154, 118, 84)` looks like.

```
.text, #text, p{  
    color:rgb(154, 118, 84)  
}
```

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(154, 118, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 118, 84) }
```

Border

The CSS property to change the border of an element to Yxy 20.4670, 0.4032, 0.3856 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(154, 118, 84) }
```

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

```
.border{ border-color:rgb(154, 118, 84) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 118, 84)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 118, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 118, 84);  
box-shadow:4px 4px 4px 4px rgb(154, 118,  
84) }
```


Background

The CSS property to change the background color of an element to Yxy 20.4670, 0.4032, 0.3856 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 118, 84) }
```

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

```
.background{ background-color: rgb(154,  
118, 84) }
```

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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