

Converting Colors

$Y_{xy}(20.0975, 0.4446, 0.4338)$

Have a look what the booklet for
Yxy(20.0975, 0.4446, 0.4338)
contains.

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Color

Yxy(20.2382, 0.4450, 0.4346)

Conversions

Conversions Part 1

Format	Color
Hex	9C7630
RGB	156, 118, 48
RGB Percent	61%, 46%, 19%
CMY	0.3882, 0.5372, 0.8119
CMYK	0.00, 0.24, 0.69, 0.39
HSL	39°, 53%, 40%
HSV	39°, 69%, 61%
XYZ	20.7225, 20.2382, 5.6067
YIQ	121.3820, 45.1180, -13.7140

Conversions

Conversions Part 2

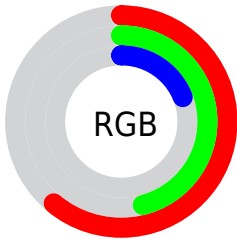
Format	Color
R_{YB}	107, 156, 48
Decimal	10253872
CIE _{Lab}	52.11, 7.38, 43.02
CIE _{LCh}	52, 43.644, 80.270
Yxy	20.2382, 0.4450, 0.4346
Android (android.graphics.Color)	4288443952 (0xFF9C7630)
YUV	121.3820, -36.1773, 30.3600
Hunter-Lab	44.9869, 3.4962, 24.1015

Details

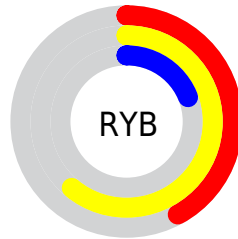
The Yxy color **20.2382, 0.4450, 0.4346** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **9.6788, 0.1990, 0.1827**, and the grayscale version is **19.3589, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.7774, 0.4173, 0.4150**, and **7.1470, 0.4818, 0.4557** is the 20% darker color. If you saturate the color by 10%, you get **18.8772, 0.4644, 0.4421**, and if you desaturate by 10%, it is **21.7217, 0.4242, 0.4232**.

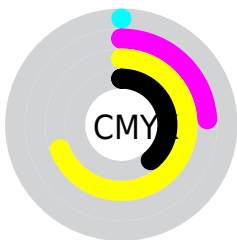
Distribution



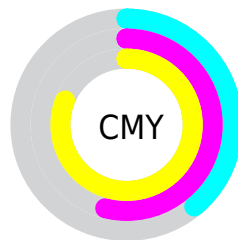
- Red (61%)
- Green (46%)
- Blue (19%)



- Red (42%)
- Yellow (61%)
- Blue (19%)



- Cyan (0%)
- Magenta (24%)
- Yellow (69%)
- Black (39%)





- Cyan (39%)
- Magenta (54%)
- Yellow (81%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.2382, 0.4450, 0.4346 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 20.2382, 0.4450, 0.4346 by changing the saturation by 10% instead.


 20.2382, 0.4450,
0.4346


 20.2382, 0.4450,
0.4346


253.2017, 0.3730,
0.3799


 12.5683, 0.4631,
0.4466


 43.8162, 0.4182,
0.4153


 7.1320, 0.4850,
0.4595


 60.4931, 0.4082,
0.4077


 3.5448, 0.5202,
0.4798

 80.9411, 0.3998,
0.4013

 1.4223, 0.5316,
0.4684

 105.5446, 0.3928,
0.3958

 0.2331, 0.6328,
0.3672

 134.6880, 0.3867,
0.3910

 0.0000, 0.0000,
0.0000

 168.7558, 0.3815,

0.3868

208.1322, 0.3770,
0.3832

■ 20.2382, 0.4450,
0.4346

■ 20.2382, 0.4450,
0.4346

■ 18.8772, 0.4644,
0.4421

■ 21.7217, 0.4242,
0.4232

■ 17.6295, 0.4814,
0.4450

■ 23.3302, 0.4029,
0.4091

■ 16.4837, 0.4959,
0.4437

■ 25.0697, 0.3820,
0.3932

■ 16.4012, 0.4970,
0.4436

■ 26.9447, 0.3622,
0.3766

■ 28.9597, 0.3438,
0.3598

■ 31.1186, 0.3269,
0.3435

■ 33.4252, 0.3116,
0.3279

■ 35.8832, 0.2980,
0.3132

■ 38.4960, 0.2858,
0.2996

Harmonies

Analogous

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



20.2382, 0.4719, 0.3781



20.2382, 0.4450, 0.4346



20.2382, 0.3840, 0.4735

Triad

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



20.2382, 0.4450, 0.4346



20.2382, 0.1910, 0.3153



20.2382, 0.3003, 0.2284

Complementary

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



20.2382, 0.4450, 0.4346



9.6788, 0.1990, 0.1827

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.



20.2382, 0.2314, 0.2094



20.2382, 0.4450, 0.4346



20.2382, 0.1753, 0.2488

Square

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



20.2382, 0.4450, 0.4346



20.2382, 0.2376, 0.4021



20.2382, 0.1891, 0.2147



20.2382, 0.3831, 0.2674

Rectangle

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



20.2382, 0.4450, 0.4346



20.2382, 0.3339, 0.4757



20.2382, 0.1891, 0.2147



20.2382, 0.2748, 0.2196

Sweetspot

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



20.2392, 0.4450, 0.4346



51.7818, 0.3476, 0.3634



9.8773, 0.4515, 0.2701



11.1876, 0.3522, 0.3677



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.



20.2392, 0.4450, 0.4346



33.0375, 0.4739, 0.4443



29.7074, 0.3886, 0.4910



7.3273, 0.3269, 0.3435



13.5753, 0.4963, 0.4441



0.3194, 0.4591, 0.4737

Inverse Universe

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



9.6788, 0.1990, 0.1827



12.7592, 0.1791, 0.1464



5.5479, 0.1943, 0.1189



6.7980, 0.2988, 0.3141



4.2780, 0.1657, 0.1163



0.1522, 0.1873, 0.1941

Previews

White Background



This preview shows how the Yxy color 20.2382, 0.4450, 0.4346 looks on a white background.

Color Contrast Check

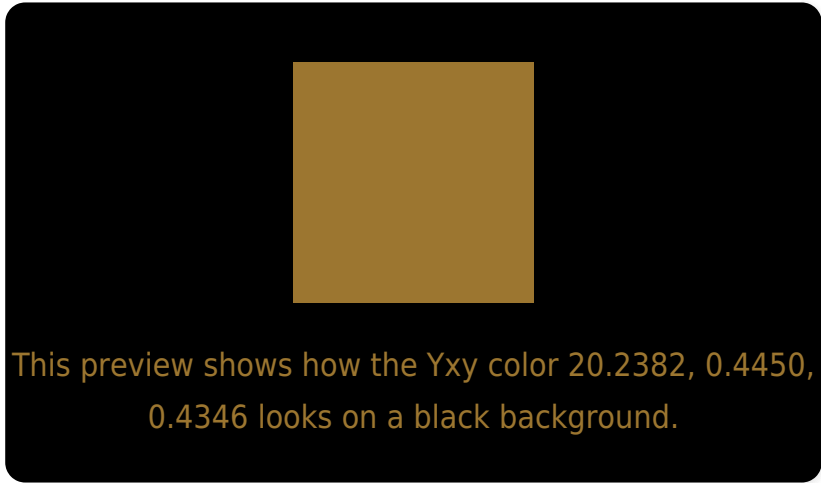
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



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 20.2382, 0.4450, 0.4346

Background



This preview shows how black text looks on a background with the Yxy color 20.2382, 0.4450, 0.4346.



This preview shows how white text looks on a background with the Yxy color 20.2382, 0.4450, 0.4346.

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

20.2382, 0.4450, 0.4346

Protanopia

20.3865, 0.4131, 0.4539

Deuteranopia

20.1388, 0.4437, 0.4352



Tritanopia

20.2779, 0.3699, 0.3163

Trichromacy



Original Color

20.2382, 0.4450, 0.4346

Protanomaly

20.1606, 0.4252, 0.4467

Deuteranomaly

20.1388, 0.4437, 0.4352

Tritanomaly

20.1959, 0.4012, 0.3635

Monochromacy



Original Color

20.2382, 0.4450, 0.4346

Achromatopsia

19.1202, 0.3127, 0.3290

Achromatomaly

19.3094, 0.3626, 0.3770

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.2382, 0.4450, 0.4346 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, 118, 48)` looks like.

```
.text, #text, p{  
    color:rgb(156, 118, 48)  
}
```

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, 118, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 118, 48) }
```

Border

The CSS property to change the border of an element to Yxy 20.2382, 0.4450, 0.4346 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, 118, 48) }
```

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

```
.border{ border-color:rgb(156, 118, 48) }
```

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

Here you see how a box with a 4 pixel rgb(156, 118, 48) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 118, 48); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 118, 48);  
box-shadow:4px 4px 4px 4px rgb(156, 118,  
48) }
```


Background

The CSS property to change the background color of an element to Yxy 20.2382, 0.4450, 0.4346 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 118, 48) }
```

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

```
.background{ background-color: rgb(156,  
118, 48) }
```

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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