

Converting Colors

$Y_{xy}(19.5354, 0.4622, 0.4607)$

Have a look what the booklet for
Yxy(19.5354, 0.4622, 0.4607)
contains.

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Color

Yxy(19.5354, 0.4622, 0.4607)

Conversions

Conversions Part 1

Format	Color
Hex	997511
RGB	153, 117, 17
RGB Percent	60%, 46%, 7%
CMY	0.4000, 0.5412, 0.9332
CMYK	0.00, 0.24, 0.89, 0.40
HSL	44°, 80%, 33%
HSV	44°, 89%, 60%
XYZ	19.5990, 19.5354, 3.2693
YIQ	116.3640, 53.5560, -23.4680

Conversions

Conversions Part 2

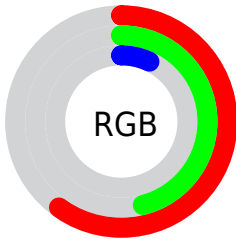
Format	Color
R_{YB}	66, 153, 17
Decimal	10056977
CIE Lab	51.31, 5.27, 53.89
CIE LCh	51, 54.143, 84.410
Yxy	19.5354, 0.4622, 0.4607
Android (android.graphics.Color)	4288247057 (0xFF997511)
YUV	116.3640, -48.9865, 32.1298
Hunter-Lab	44.1989, 1.8038, 26.5536

Details

The Yxy color **19.5354, 0.4622, 0.4607** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **4.9679, 0.1690, 0.1157**, and the grayscale version is **17.7257, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.7059, 0.4344, 0.4390**, and **6.8529, 0.4789, 0.4580** is the 20% darker color. If you saturate the color by 10%, you get **18.5761, 0.4731, 0.4615**, and if you desaturate by 10%, it is **20.5663, 0.4489, 0.4560**.

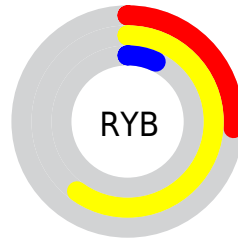
Distribution



Red (60%)

Green (46%)

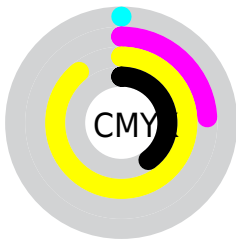
Blue (7%)



Red (26%)

Yellow (60%)

Blue (7%)

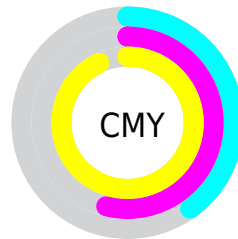


Cyan (0%)

Magenta (24%)

Yellow (89%)

Black (40%)



Cyan (40%)


Magenta (54%)

Yellow (93%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 19.5354, 0.4622, 0.4607 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 19.5354, 0.4622, 0.4607 by changing the saturation by 10% instead.


 19.5354, 0.4622,
0.4607


 19.5354, 0.4622,
0.4607


249.3887, 0.3840,
0.3948


 12.0578, 0.4788,
0.4728


 42.6369, 0.4348,
0.4388


 6.7830, 0.5062,
0.4933


 59.0295, 0.4240,
0.4297

 3.3268, 0.5115,
0.4885

 79.1626, 0.4147,
0.4218

 1.3046, 0.5202,
0.4798

 103.4205, 0.4068,
0.4149

 0.1448, 0.6479,
0.3521


 132.1877, 0.3999,
0.4089

 0.0000, 0.0000,
0.0000


 165.8486, 0.3939,

0.4036


 204.7874, 0.3887,
0.3989


 19.5354, 0.4622,
0.4607


 19.5354, 0.4622,
0.4607


 18.5761, 0.4731,
0.4615


 20.5663, 0.4489,
0.4560

 18.4700, 0.4744,
0.4615

 21.6763, 0.4330,
0.4468

 22.8716, 0.4154,
0.4338

 24.1567, 0.3968,
0.4180

 25.5357, 0.3781,
0.4003

■ 27.0124, 0.3598,
0.3817

■ 28.5901, 0.3423,
0.3630

■ 30.2720, 0.3261,
0.3446

■ 32.0613, 0.3111,
0.3271

Harmonies

Analogous

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



19.5354, 0.5068, 0.3913



19.5354, 0.4622, 0.4607



19.5354, 0.3823, 0.5117

Triad

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



19.5354, 0.4622, 0.4607



19.5354, 0.1603, 0.2949



19.5354, 0.3096, 0.2132

Complementary

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



19.5354, 0.4622, 0.4607



4.9679, 0.1690, 0.1157

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.



19.5354, 0.2225, 0.1874



19.5354, 0.4622, 0.4607



19.5354, 0.1486, 0.2207

Square

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



19.5354, 0.4622, 0.4607



19.5354, 0.2086, 0.4065



19.5354, 0.1691, 0.1880



19.5354, 0.4139, 0.2612

Rectangle

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



19.5354, 0.4622, 0.4607



19.5354, 0.3208, 0.5135



19.5354, 0.1691, 0.1880



19.5354, 0.2773, 0.2018

Sweetspot

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



19.5364, 0.4622, 0.4607



48.7448, 0.3574, 0.3792



7.4336, 0.5480, 0.2913



10.5775, 0.3629, 0.3850



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.



19.5364, 0.4622, 0.4607



32.7631, 0.4757, 0.4605



26.9062, 0.3805, 0.5273



6.9461, 0.3266, 0.3453



15.3224, 0.4739, 0.4619



0.2872, 0.4455, 0.4845

Inverse Universe

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



4.9679, 0.1690, 0.1157



6.6334, 0.1586, 0.0911



3.3488, 0.1759, 0.0818



6.2791, 0.2988, 0.3122



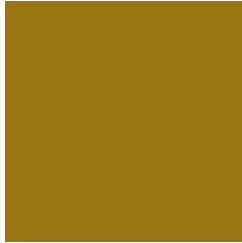
3.2318, 0.1598, 0.0953



0.1017, 0.1808, 0.1707

Previews

White Background



This preview shows how the Yxy color 19.5354, 0.4622, 0.4607 looks on a white background.

Color Contrast Check

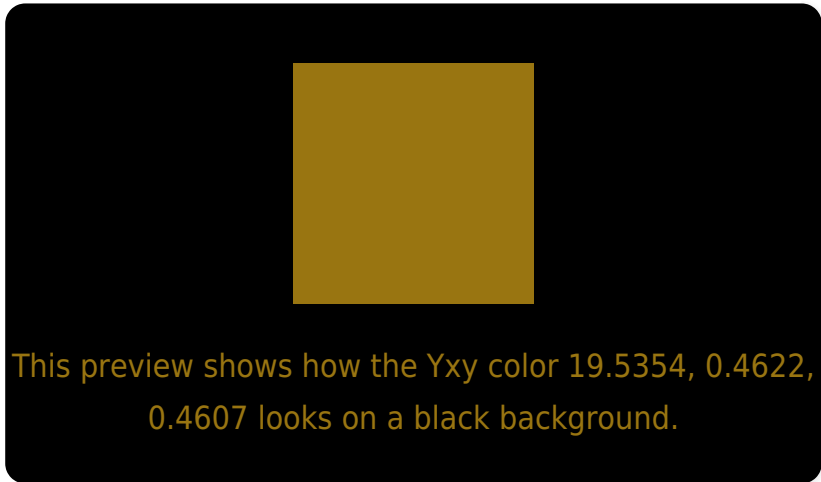
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.5354, 0.4622, 0.4607

Background



This preview shows how black text looks on a background with the Yxy color 19.5354, 0.4622, 0.4607.



This preview shows how white text looks on a background with the Yxy color 19.5354, 0.4622, 0.4607.

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

19.5354, 0.4622, 0.4607

Protanopia

19.6162, 0.4337, 0.4812

Deuteranopia

19.5030, 0.4658, 0.4571



Tritanopia

19.5926, 0.3708, 0.3162

Trichromacy



Original Color

19.5354, 0.4622, 0.4607

Protanomaly

19.5581, 0.4434, 0.4745

Deuteranomaly

19.4045, 0.4645, 0.4580

Tritanomaly

19.3505, 0.4159, 0.3799

Monochromacy



Original Color

19.5354, 0.4622, 0.4607

Achromatopsia

17.4647, 0.3127, 0.3290

Achromatomaly

17.7371, 0.3754, 0.3976

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.5354, 0.4622, 0.4607 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, 17)` looks like.

```
.text, #text, p{  
  color:rgb(153, 117, 17)  
}
```

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, 17) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 117, 17) }
```

Border

The CSS property to change the border of an element to Yxy 19.5354, 0.4622, 0.4607 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, 17) }
```

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

```
.border{ border-color:rgb(153, 117, 17) }
```

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, 17)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 117, 17); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 117, 17);  
box-shadow:4px 4px 4px 4px rgb(153, 117,  
17) }
```


Background

The CSS property to change the background color of an element to Yxy 19.5354, 0.4622, 0.4607 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, 17) }
```

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

```
.background{ background-color: rgb(153,  
117, 17) }
```

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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