

Converting Colors

$Y_{xy}(19.1315, 0.4559, 0.4644)$

Have a look what the booklet for
Yxy(19.1315, 0.4559, 0.4644)
contains.

Yxy(19.0622, 0.4556, 0.4648)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(19.0622, 0.4556, 0.4648)

Conversions

Conversions Part 1

Format	Color
Hex	947512
RGB	148, 117, 18
RGB Percent	58%, 46%, 7%
CMY	0.4196, 0.5412, 0.9296
CMYK	0.00, 0.21, 0.88, 0.42
HSL	46°, 78%, 33%
HSV	46°, 88%, 58%
XYZ	18.6849, 19.0622, 3.2645
YIQ	114.9830, 50.2550, -24.2170

Conversions

Conversions Part 2

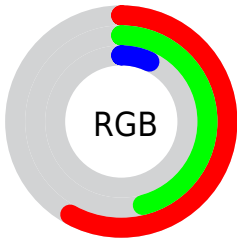
Format	Color
R_{YB}	59, 148, 18
Decimal	9729298
CIE _{Lab}	50.76, 2.97, 52.97
CIE _{LCh}	51, 53.054, 86.791
Yxy	19.0622, 0.4556, 0.4648
Android (android.graphics.Color)	4287919378 (0xFF947512)
YUV	114.9830, -47.8126, 28.9559
Hunter-Lab	43.6603, -0.0145, 26.1290

Details

The Yxy color **19.0622, 0.4556, 0.4648** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **4.4605, 0.1686, 0.1124**, and the grayscale version is **17.2746, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.9788, 0.4296, 0.4415**, and **6.5834, 0.4695, 0.4654** is the 20% darker color. If you saturate the color by 10%, you get **18.2194, 0.4657, 0.4665**, and if you desaturate by 10%, it is **19.9661, 0.4430, 0.4591**.

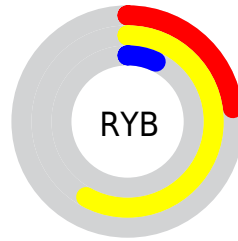
Distribution



Red (58%)

Green (46%)

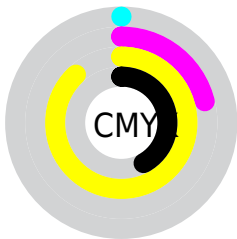
Blue (7%)



Red (23%)

Yellow (58%)

Blue (7%)

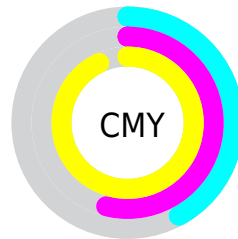


Cyan (0%)

Magenta (21%)

Yellow (88%)

Black (42%)



Cyan (42%)


Magenta (54%)

Yellow (93%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.0622, 0.4556, 0.4648 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 19.0622, 0.4556, 0.4648 by changing the saturation by 10% instead.


 19.0622, 0.4556,
0.4648


 19.0622, 0.4556,
0.4648


246.7919, 0.3808,
0.3954


 11.7152, 0.4714,
0.4783

 41.8392, 0.4294,
0.4412

 6.5501, 0.4981,
0.5016

 58.0380, 0.4190,
0.4316


 3.1824, 0.5012,
0.4988

 77.9562, 0.4102,
0.4233

 1.2277, 0.5064,
0.4936

 101.9782, 0.4026,
0.4161

 0.0841, 0.6444,
0.3556

 130.4883, 0.3960,
0.4099

 0.0000, 0.0000,
0.0000

 163.8711, 0.3903,

0.4045

202.5108, 0.3852,
0.3997

19.0622, 0.4556,
0.4648

19.0622, 0.4556,
0.4648

18.2194, 0.4657,
0.4665

19.9661, 0.4430,
0.4591

18.0448, 0.4679,
0.4667

20.9369, 0.4279,
0.4490

21.9800, 0.4111,
0.4353

23.0995, 0.3933,
0.4188

24.2988, 0.3752,
0.4005

■ 25.5814, 0.3574,
0.3814

■ 26.9502, 0.3404,
0.3621

■ 28.4081, 0.3244,
0.3433

■ 29.9577, 0.3097,
0.3252

Harmonies

Analogous

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



19.0622, 0.5032, 0.3967



19.0622, 0.4556, 0.4648



19.0622, 0.3748, 0.5116

Triad

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



19.0622, 0.4556, 0.4648



19.0622, 0.1596, 0.2880



19.0622, 0.3177, 0.2174

Complementary

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



19.0622, 0.4556, 0.4648



4.4605, 0.1686, 0.1124

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.



19.0622, 0.2292, 0.1898



19.0622, 0.4556, 0.4648



19.0622, 0.1505, 0.2180

Square

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



19.0622, 0.4556, 0.4648



19.0622, 0.2046, 0.3964



19.0622, 0.1735, 0.1883



19.0622, 0.4204, 0.2664

Rectangle

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



19.0622, 0.4556, 0.4648



19.0622, 0.3136, 0.5088



19.0622, 0.1735, 0.1883



19.0622, 0.2851, 0.2055

Sweetspot

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



19.0631, 0.4556, 0.4648



45.4453, 0.3550, 0.3788



6.9626, 0.5490, 0.2937



10.2075, 0.3605, 0.3848



74.8414, 0.3127, 0.3290



11.9280, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



19.0631, 0.4556, 0.4648



31.5570, 0.4690, 0.4658



24.9066, 0.3781, 0.5279



6.5127, 0.3265, 0.3458



15.4531, 0.4675, 0.4670



0.2344, 0.4412, 0.4879

Inverse Universe

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



4.4605, 0.1686, 0.1124



5.6960, 0.1573, 0.0862



3.2596, 0.1795, 0.0848



5.8442, 0.2989, 0.3117



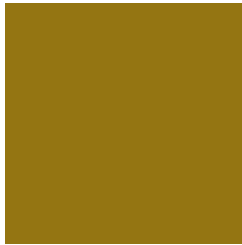
2.9049, 0.1584, 0.0901



0.0752, 0.1787, 0.1632

Previews

White Background



This preview shows how the Yxy color 19.0622, 0.4556, 0.4648 looks on a white background.

Color Contrast Check

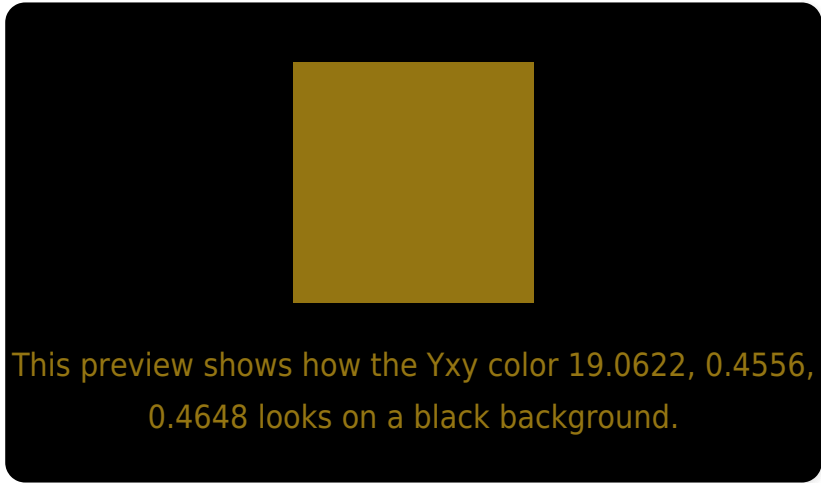
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.0622, 0.4556, 0.4648

Background



This preview shows how black text looks on a background with the Yxy color 19.0622, 0.4556, 0.4648.



This preview shows how white text looks on a background with the Yxy color 19.0622, 0.4556, 0.4648.

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

19.0622, 0.4556, 0.4648

Protanopia

18.9560, 0.4338, 0.4807

Deuteranopia

19.0843, 0.4640, 0.4565



Tritanopia

19.0917, 0.3640, 0.3158

Trichromacy



Original Color

19.0622, 0.4556, 0.4648

Protanomaly

19.0554, 0.4405, 0.4756

Deuteranomaly

19.1171, 0.4604, 0.4602

Tritanomaly

18.8578, 0.4091, 0.3814

Monochromacy



Original Color

19.0622, 0.4556, 0.4648

Achromatopsia

17.1441, 0.3127, 0.3290

Achromatomaly

17.5820, 0.3725, 0.3983

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.0622, 0.4556, 0.4648 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(148, 117, 18)` looks like.

```
.text, #text, p{  
    color:rgb(148, 117, 18)  
}
```

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(148, 117, 18) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 117, 18) }
```

Border

The CSS property to change the border of an element to Yxy 19.0622, 0.4556, 0.4648 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(148, 117, 18) }
```

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

```
.border{ border-color:rgb(148, 117, 18) }
```

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

Here you see how a box with a 4 pixel rgb(148, 117, 18) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 117, 18); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 117, 18);  
box-shadow:4px 4px 4px 4px rgb(148, 117,  
18) }
```


Background

The CSS property to change the background color of an element to Yxy 19.0622, 0.4556, 0.4648 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 117, 18) }
```

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

```
.background{ background-color: rgb(148,  
117, 18) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor