

Converting Colors

$Y_{xy}(19.1319, 0.4860, 0.5140)$

Have a look what the booklet for
Yxy(19.1319, 0.4860, 0.5140)
contains.

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Color

Yxy(19.3967, 0.4567, 0.4755)

Conversions

Conversions Part 1

Format	Color
Hex	937700
RGB	147, 119, 0
RGB Percent	58%, 47%, 0%
CMY	0.4235, 0.5333, 0.9995
CMYK	0.00, 0.19, 1.00, 0.42
HSL	49°, 100%, 29%
HSV	49°, 100%, 58%
XYZ	18.6298, 19.3967, 2.7657
YIQ	113.8060, 54.8870, -31.0730

Conversions

Conversions Part 2

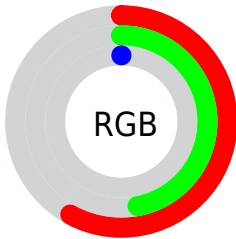
Format	Color
RYB	35, 147, 0
Decimal	9664256
CIELab	51.15, 1.01, 56.98
CIELCh	51, 56.990, 88.984
Yxy	19.3967, 0.4567, 0.4755
Android (android.graphics.Color)	4287854336 (0xFF937700)
YUV	113.8060, -56.1064, 29.1111
Hunter-Lab	44.0417, -1.5667, 27.1059

Details

The Yxy color **19.3967, 0.4567, 0.4755** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **2.9441, 0.1558, 0.0807**, and the grayscale version is **16.9301, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.4866, 0.4318, 0.4508**, and **6.7818, 0.4628, 0.4708** is the 20% darker color. If you saturate the color by 10%, you get **19.3912, 0.4568, 0.4755**, and if you desaturate by 10%, it is **20.1082, 0.4485, 0.4733**.

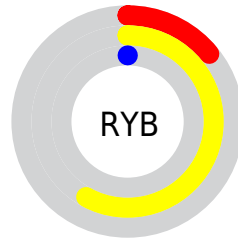
Distribution



Red (58%)

Green (47%)

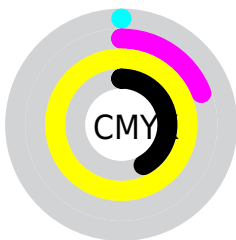
Blue (0%)



Red (14%)

Yellow (58%)

Blue (0%)

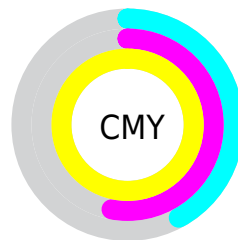


Cyan (0%)

Magenta (19%)

Yellow (100%)

Black (42%)



Cyan (42%)

Magenta (53%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 19.3967, 0.4567, 0.4755 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 19.3967, 0.4567, 0.4755 by changing the saturation by 10% instead.

19.3967, 0.4567,
0.4755

19.3967, 0.4567,
0.4755

248.6301, 0.3833,
0.4015

11.9573, 0.4708,
0.4893

42.4034, 0.4319,
0.4507

6.7146, 0.4910,
0.5090

58.7394, 0.4217,
0.4405

3.2843, 0.4920,
0.5080

78.8097, 0.4129,
0.4316

1.2819, 0.4938,
0.5062

102.9988, 0.4053,
0.4239


0.1271, 0.5337,
0.4663

131.6910, 0.3987,
0.4172

0.0000, 0.0000,
0.0000


165.2706, 0.3929,


0.4113

 204.1222, 0.3878,
0.4061


 19.3967, 0.4567,
0.4755


 19.3967, 0.4567,
0.4755


 19.3912, 0.4568,
0.4755

 20.1082, 0.4485,
0.4733

 20.8623, 0.4382,
0.4678

 21.6712, 0.4254,
0.4578

 22.5396, 0.4104,
0.4441

 23.4711, 0.3941,
0.4274

■ 24.4694, 0.3771,
0.4086

■ 25.5375, 0.3600,
0.3886

■ 26.6783, 0.3433,
0.3682

■ 27.8944, 0.3274,
0.3482

Harmonies

Analogous

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



19.3967, 0.5120, 0.4031



19.3967, 0.4567, 0.4755



19.3967, 0.3694, 0.5251

Triad

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



19.3967, 0.4567, 0.4755



19.3967, 0.1494, 0.2772



19.3967, 0.3254, 0.2145

Complementary

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



19.3967, 0.4567, 0.4755



2.9441, 0.1558, 0.0807

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.



19.3967, 0.2298, 0.1839



19.3967, 0.4567, 0.4755



19.3967, 0.1431, 0.2075

Square

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



19.3967, 0.4567, 0.4755



19.3967, 0.1929, 0.3917



19.3967, 0.1692, 0.1799



19.3967, 0.4349, 0.2669

Rectangle

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



19.3967, 0.4567, 0.4755



19.3967, 0.3048, 0.5196



19.3967, 0.1692, 0.1799



19.3967, 0.2902, 0.2015

Sweetspot

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



19.3976, 0.4567, 0.4755



45.5958, 0.3612, 0.3900



6.2970, 0.6033, 0.3098



10.2385, 0.3677, 0.3977



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.



19.3976, 0.4567, 0.4755



34.4832, 0.4576, 0.4748



23.7471, 0.3682, 0.5458



6.5587, 0.3264, 0.3468



16.8455, 0.4565, 0.4757



0.2450, 0.4362, 0.4919

Inverse Universe

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



2.9441, 0.1558, 0.0807



5.0621, 0.1550, 0.0779



2.6492, 0.1719, 0.0721



5.8013, 0.2989, 0.3106



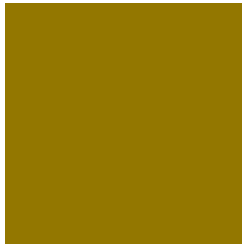
2.5761, 0.1559, 0.0813



0.0646, 0.1738, 0.1458

Previews

White Background



This preview shows how the Yxy color 19.3967, 0.4567, 0.4755 looks on a white background.

Color Contrast Check

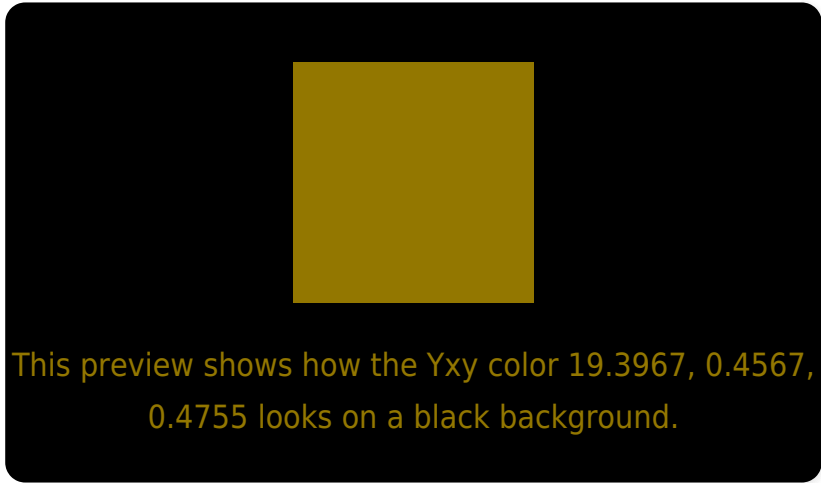
Large Text (above 18pt) WCAG AA ✓ Pass

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

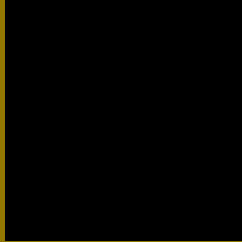
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.3967, 0.4567, 0.4755

Background



This preview shows how black text looks on a background with the Yxy color 19.3967, 0.4567, 0.4755.

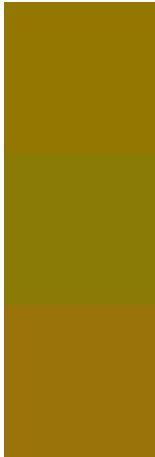


This preview shows how white text looks on a background with the Yxy color 19.3967, 0.4567, 0.4755.

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

19.3967, 0.4567, 0.4755

Protanopia

19.3355, 0.4391, 0.4859

Deuteranopia

19.3850, 0.4670, 0.4611



Tritanopia

19.4731, 0.3592, 0.3158

Trichromacy



Original Color

19.3967, 0.4567, 0.4755

Protanomaly

19.3462, 0.4450, 0.4825

Deuteranomaly

19.3172, 0.4629, 0.4666

Tritanomaly

19.1357, 0.4125, 0.3930

Monochromacy



Original Color

19.3967, 0.4567, 0.4755

Achromatopsia

16.8269, 0.3127, 0.3290

Achromatomaly

17.4074, 0.3797, 0.4117

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.3967, 0.4567, 0.4755 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(147, 119, 0)` looks like.

```
.text, #text, p{  
    color:rgb(147, 119, 0)  
}
```

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(147, 119, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 119, 0) }
```

Border

The CSS property to change the border of an element to Yxy 19.3967, 0.4567, 0.4755 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(147, 119, 0) }
```

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

```
.border{ border-color:rgb(147, 119, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 119, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 119, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 119, 0);  
box-shadow:4px 4px 4px 4px rgb(147, 119,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 19.3967, 0.4567, 0.4755 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 119, 0) }
```

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

```
.background{ background-color: rgb(147,  
119, 0) }
```

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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