

Converting Colors

$Y_{xy}(18.8359, 0.5029, 0.4798)$

Have a look what the booklet for
Yxy(18.8359, 0.5029, 0.4798)
contains.

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Color

Yxy(18.9593, 0.4824, 0.4552)

Conversions

Conversions Part 1

Format	Color
Hex	9F7000
RGB	159, 112, 0
RGB Percent	62%, 44%, 0%
CMY	0.3765, 0.5608, 1.0000
CMYK	0.00, 0.30, 1.00, 0.38
HSL	42°, 100%, 31%
HSV	42°, 100%, 62%
XYZ	20.0922, 18.9593, 2.5990
YIQ	113.2850, 63.9640, -24.8680

Conversions

Conversions Part 2

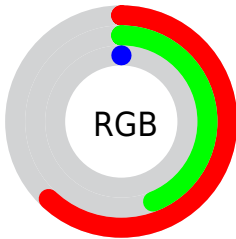
Format	Color
R_{YB}	67, 159, 0
Decimal	10448896
CIE _{Lab}	50.64, 10.61, 57.31
CIE _{LCh}	51, 58.285, 79.510
Yxy	18.9593, 0.4824, 0.4552
Android (android.graphics.Color)	4288638976 (0xFF9F7000)
YUV	113.2850, -55.8495, 40.0921
Hunter-Lab	43.5423, 6.1682, 26.9406

Details

The Yxy color **18.9593, 0.4824, 0.4552** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **4.5359, 0.1613, 0.1006**, and the grayscale version is **16.7585, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.4700, 0.4520, 0.4365**, and **6.6054, 0.4959, 0.4445** is the 20% darker color. If you saturate the color by 10%, you get **18.9604, 0.4824, 0.4552**, and if you desaturate by 10%, it is **20.0619, 0.4704, 0.4555**.

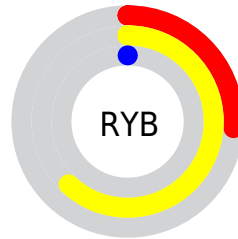
Distribution



Red (62%)

Green (44%)

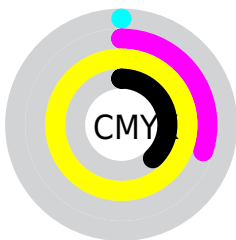
Blue (0%)



Red (26%)

Yellow (62%)

Blue (0%)

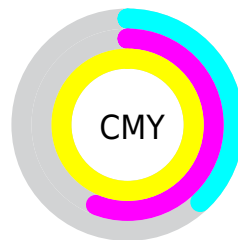


Cyan (0%)

Magenta (30%)

Yellow (100%)

Black (38%)



Cyan (38%)


Magenta (56%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.9593, 0.4824, 0.4552 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 18.9593, 0.4824, 0.4552 by changing the saturation by 10% instead.


 18.9593, 0.4824,
0.4552


 18.9593, 0.4824,
0.4552


246.2240, 0.3939,
0.3955


 11.6409, 0.5008,
0.4637


 41.6653, 0.4517,
0.4369


 6.4996, 0.5259,
0.4741


 57.8217, 0.4394,
0.4287


 3.1512, 0.5360,
0.4640

 77.6928, 0.4289,
0.4214

 1.2112, 0.5534,
0.4466

 101.6632, 0.4199,
0.4149


 0.0708, 0.8217,
0.1783


 130.1170, 0.4121,
0.4092


 0.0000, 0.0000,
0.0000


 163.4389, 0.4052,


0.4041

 202.0131, 0.3992,
0.3996


 18.9593, 0.4824,
0.4552


 18.9593, 0.4824,
0.4552


 18.9604, 0.4824,
0.4552

 20.0619, 0.4704,
0.4555

 21.2473, 0.4561,
0.4519

 22.5301, 0.4393,
0.4438

 23.9164, 0.4206,
0.4317

 25.4114, 0.4011,
0.4167

■ 27.0198, 0.3816,
0.3998

■ 28.7461, 0.3626,
0.3819

■ 30.5942, 0.3446,
0.3638

■ 32.5679, 0.3280,
0.3460

Harmonies

Analogous

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



18.9593, 0.5239, 0.3802



18.9593, 0.4824, 0.4552



18.9593, 0.4001, 0.5195

Triad

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



18.9593, 0.4824, 0.4552



18.9593, 0.1550, 0.3083



18.9593, 0.2912, 0.1992

Complementary

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



18.9593, 0.4824, 0.4552



4.5359, 0.1613, 0.1006

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.



18.9593, 0.2039, 0.1763



18.9593, 0.4824, 0.4552



18.9593, 0.1376, 0.2212

Square

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



18.9593, 0.4824, 0.4552



18.9593, 0.2118, 0.4345



18.9593, 0.1539, 0.1813



18.9593, 0.4041, 0.2463

Rectangle

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



18.9593, 0.4824, 0.4552



18.9593, 0.3352, 0.5338



18.9593, 0.1539, 0.1813



18.9593, 0.2581, 0.1886

Sweetspot

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



18.9604, 0.4824, 0.4552



51.2991, 0.3636, 0.3829



7.5819, 0.5734, 0.2933



11.2838, 0.3711, 0.3901



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290

Same Dimension

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



18.9604, 0.4824, 0.4552



33.6046, 0.4838, 0.4540



29.3239, 0.3848, 0.5327



7.3890, 0.3268, 0.3447



15.0502, 0.4817, 0.4557



0.3384, 0.4520, 0.4793

Inverse Universe

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



4.5359, 0.1613, 0.1006



7.8258, 0.1604, 0.0975



2.8071, 0.1606, 0.0658



6.7389, 0.2988, 0.3128



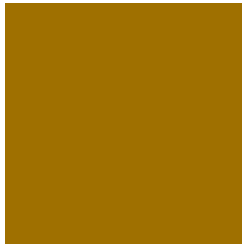
3.6478, 0.1617, 0.1021



0.1335, 0.1826, 0.1774

Previews

White Background



This preview shows how the Yxy color 18.9593, 0.4824, 0.4552 looks on a white background.

Color Contrast Check

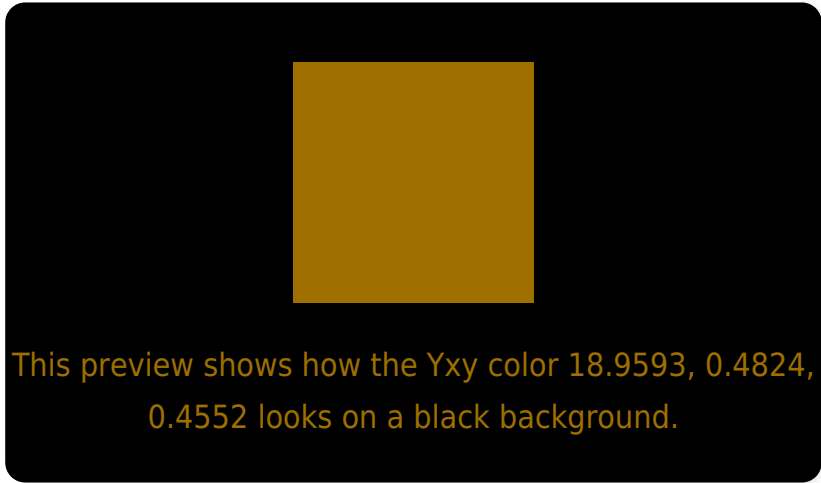
Large Text (above 18pt) WCAG AA ✓ Pass

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

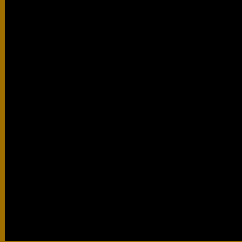
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.9593, 0.4824, 0.4552

Background



This preview shows how black text looks on a background with the Yxy color 18.9593, 0.4824, 0.4552.



This preview shows how white text looks on a background with the Yxy color 18.9593, 0.4824, 0.4552.

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

18.9593, 0.4824, 0.4552

Protanopia

19.0150, 0.4382, 0.4842

Deuteranopia

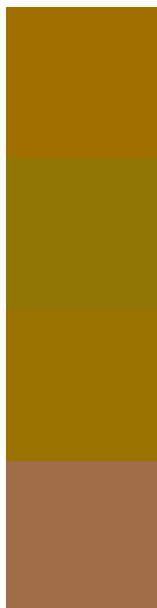
19.0338, 0.4704, 0.4647



Tritanopia

18.9630, 0.3870, 0.3165

Trichromacy



Original Color

18.9593, 0.4824, 0.4552

Protanomaly

18.9898, 0.4541, 0.4741

Deuteranomaly

19.0032, 0.4744, 0.4615

Tritanomaly

18.6517, 0.4401, 0.3855

Monochromacy



Original Color

18.9593, 0.4824, 0.4552

Achromatopsia

16.5132, 0.3127, 0.3290

Achromatomaly

17.0240, 0.3889, 0.4067

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.9593, 0.4824, 0.4552 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(159, 112, 0)` looks like.

```
.text, #text, p{  
    color:rgb(159, 112, 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(159, 112, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 112, 0) }
```

Border

The CSS property to change the border of an element to Yxy 18.9593, 0.4824, 0.4552 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(159, 112, 0) }
```

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

```
.border{ border-color:rgb(159, 112, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 112, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 112, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 112, 0);  
box-shadow:4px 4px 4px 4px rgb(159, 112,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 18.9593, 0.4824, 0.4552 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 112, 0) }
```

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

```
.background{ background-color: rgb(159,  
112, 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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