

Converting Colors

$Y_{xy}(19.5843, 0.4560, 0.4665)$

Have a look what the booklet for
Yxy(19.5843, 0.4560, 0.4665)
contains.

Yxy(19.7151, 0.4559, 0.4665)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(19.7151, 0.4559, 0.4665)

Conversions

Conversions Part 1

Format	Color
Hex	967710
RGB	150, 119, 16
RGB Percent	59%, 47%, 6%
CMY	0.4118, 0.5333, 0.9373
CMYK	0.00, 0.21, 0.89, 0.41
HSL	46°, 81%, 33%
HSV	46°, 89%, 59%
XYZ	19.2671, 19.7151, 3.2795
YIQ	116.5270, 51.5390, -25.4610

Conversions

Conversions Part 2

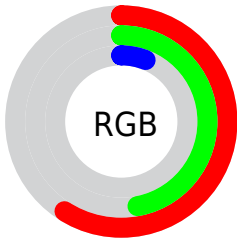
Format	Color
R_{YB}	56, 150, 16
Decimal	9860880
CIE Lab	51.51, 2.71, 54.18
CIE LCh	52, 54.243, 87.136
Yxy	19.7151, 0.4559, 0.4665
Android (android.graphics.Color)	4288050960 (0xFF967710)
YUV	116.5270, -49.5598, 29.3558
Hunter-Lab	44.4017, -0.2469, 26.7020

Details

The Yxy color **19.7151, 0.4559, 0.4665** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **4.3430, 0.1666, 0.1075**, and the grayscale version is **17.7794, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.0168, 0.4298, 0.4426**, and **6.9394, 0.4685, 0.4662** is the 20% darker color. If you saturate the color by 10%, you get **18.8702, 0.4656, 0.4679**, and if you desaturate by 10%, it is **20.6183, 0.4440, 0.4614**.

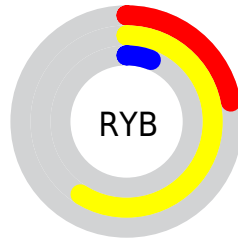
Distribution



Red (59%)

Green (47%)

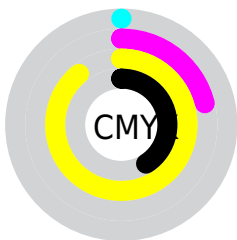
Blue (6%)



Red (22%)

Yellow (59%)

Blue (6%)

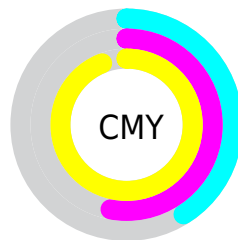


Cyan (0%)

Magenta (21%)

Yellow (89%)

Black (41%)



Cyan (41%)


Magenta (53%)


Yellow (94%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.7151, 0.4559, 0.4665 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 19.7151, 0.4559, 0.4665 by changing the saturation by 10% instead.


 19.7151, 0.4559,
0.4665


 19.7151, 0.4559,
0.4665


250.3686, 0.3816,
0.3968


 12.1881, 0.4713,
0.4799


 42.9390, 0.4301,
0.4429

 6.8719, 0.4968,
0.5024


 59.4047, 0.4198,
0.4333

 3.3821, 0.4998,
0.5002

 79.6188, 0.4110,
0.4249

 1.3343, 0.5042,
0.4958

 103.9657, 0.4034,
0.4177

 0.1676, 0.5736,
0.4264


 132.8297, 0.3969,
0.4114


 0.0000, 0.0000,
0.0000


 166.5952, 0.3911,


0.4059


 205.6467, 0.3861,
0.4011


 19.7151, 0.4559,
0.4665


 19.7151, 0.4559,
0.4665

 18.8702, 0.4656,
0.4679

 20.6183, 0.4440,
0.4614

 18.8155, 0.4662,
0.4680

 21.5879, 0.4295,
0.4518

 22.6295, 0.4132,
0.4385

 23.7474, 0.3956,
0.4222

 24.9453, 0.3777,
0.4040

■ 26.2266, 0.3599,
0.3848

■ 27.5944, 0.3428,
0.3653

■ 29.0516, 0.3267,
0.3462

■ 30.6011, 0.3118,
0.3278

Harmonies

Analogous

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



19.7151, 0.5047, 0.3977



19.7151, 0.4559, 0.4665



19.7151, 0.3741, 0.5138

Triad

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



19.7151, 0.4559, 0.4665



19.7151, 0.1579, 0.2863



19.7151, 0.3188, 0.2168

Complementary

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



19.7151, 0.4559, 0.4665



4.3430, 0.1666, 0.1075

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.



19.7151, 0.2292, 0.1888



19.7151, 0.4559, 0.4665



19.7151, 0.1493, 0.2163

Square

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



19.7151, 0.4559, 0.4665



19.7151, 0.2028, 0.3957



19.7151, 0.1727, 0.1869



19.7151, 0.4227, 0.2665

Rectangle

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



19.7151, 0.4559, 0.4665



19.7151, 0.3123, 0.5106



19.7151, 0.1727, 0.1869



19.7151, 0.2858, 0.2048

Sweetspot

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



19.7161, 0.4559, 0.4665



46.7134, 0.3567, 0.3813



7.0610, 0.5598, 0.2977



10.1948, 0.3620, 0.3872



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.



19.7161, 0.4559, 0.4665



32.9334, 0.4673, 0.4672



25.4428, 0.3754, 0.5315



6.5196, 0.3265, 0.3459



15.6566, 0.4658, 0.4684



0.2360, 0.4404, 0.4885

Inverse Universe

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



4.3430, 0.1666, 0.1075



5.7487, 0.1569, 0.0847



3.2949, 0.1795, 0.0834



5.8377, 0.2989, 0.3115



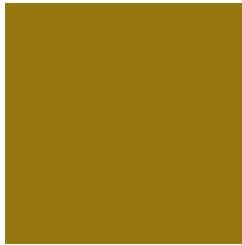
2.8508, 0.1580, 0.0887



0.0736, 0.1780, 0.1607

Previews

White Background



This preview shows how the Yxy color 19.7151, 0.4559, 0.4665 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



This preview shows how the Yxy color 19.7151, 0.4559, 0.4665 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

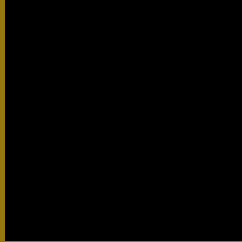
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.7151, 0.4559, 0.4665

Background



This preview shows how black text looks on a background with the Yxy color 19.7151, 0.4559, 0.4665.



This preview shows how white text looks on a background with the Yxy color 19.7151, 0.4559, 0.4665.

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

19.7151, 0.4559, 0.4665

Protanopia

19.6954, 0.4358, 0.4813

Deuteranopia

19.7348, 0.4643, 0.4584



Tritanopia

19.7687, 0.3632, 0.3160

Trichromacy



Original Color

19.7151, 0.4559, 0.4665

Protanomaly

19.7992, 0.4423, 0.4763

Deuteranomaly

19.7696, 0.4607, 0.4620

Tritanomaly

19.5138, 0.4089, 0.3824

Monochromacy



Original Color

19.7151, 0.4559, 0.4665

Achromatopsia

17.7888, 0.3127, 0.3290

Achromatomaly

18.2032, 0.3741, 0.4010

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.7151, 0.4559, 0.4665 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(150, 119, 16)` looks like.

```
.text, #text, p{  
    color:rgb(150, 119, 16)  
}
```

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(150, 119, 16) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 119, 16) }
```

Border

The CSS property to change the border of an element to Yxy 19.7151, 0.4559, 0.4665 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(150, 119, 16) }
```

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

```
.border{ border-color:rgb(150, 119, 16) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 119, 16)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 119, 16); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 119, 16);  
box-shadow:4px 4px 4px 4px rgb(150, 119,  
16) }
```


Background

The CSS property to change the background color of an element to Yxy 19.7151, 0.4559, 0.4665 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 119, 16) }
```

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

```
.background{ background-color: rgb(150,  
119, 16) }
```

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