

Converting Colors

$Y_{xy}(20.0160, 0.4608, 0.4683)$

Have a look what the booklet for
Yxy(20.0160, 0.4608, 0.4683)
contains.

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Color

Yxy(19.8844, 0.4611, 0.4681)

Conversions

Conversions Part 1

Format	Color
Hex	987707
RGB	152, 119, 7
RGB Percent	60%, 47%, 3%
CMY	0.4038, 0.5334, 0.9724
CMYK	0.00, 0.22, 0.95, 0.40
HSL	46°, 91%, 31%
HSV	46°, 95%, 60%
XYZ	19.5870, 19.8844, 3.0075
YIQ	116.0990, 55.6200, -27.8360

Conversions

Conversions Part 2

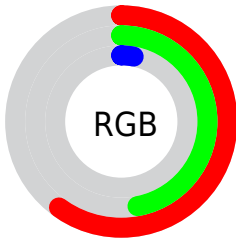
Format	Color
R_{YB}	50, 152, 7
Decimal	9991943
CIE _{Lab}	51.71, 3.50, 56.28
CIE _{LCh}	52, 56.387, 86.445
Y _{xy}	19.8844, 0.4611, 0.4681
Android (android.graphics.Color)	4288182023 (0xFF987707)
YUV	116.0990, -53.7858, 31.4852
Hunter-Lab	44.5919, 0.3704, 27.2155

Details

The Yxy color **19.8844, 0.4611, 0.4681** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **3.8346, 0.1611, 0.0948**, and the grayscale version is **17.6547, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.2448, 0.4348, 0.4457**, and **7.0479, 0.4722, 0.4633** is the 20% darker color. If you saturate the color by 10%, you get **19.4918, 0.4655, 0.4686**, and if you desaturate by 10%, it is **20.7681, 0.4510, 0.4656**.

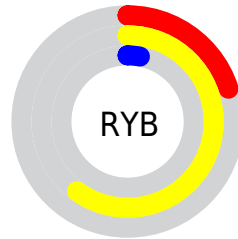
Distribution



Red (60%)

Green (47%)

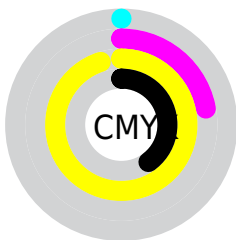
Blue (3%)



Red (20%)

Yellow (60%)

Blue (3%)

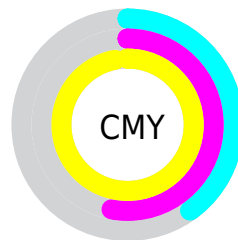


Cyan (0%)

Magenta (22%)

Yellow (95%)

Black (40%)



Cyan (40%)


Magenta (53%)


Yellow (97%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.8844, 0.4611, 0.4681 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 19.8844, 0.4611, 0.4681 by changing the saturation by 10% instead.


 19.8844, 0.4611,
0.4681


 19.8844, 0.4611,
0.4681


251.2886, 0.3848,
0.3987


 12.3110, 0.4764,
0.4807


 43.2233, 0.4349,
0.4451


 6.9559, 0.4999,
0.5001


 59.7576, 0.4244,
0.4356


 3.4345, 0.5033,
0.4967

 80.0477, 0.4153,
0.4272

 1.3626, 0.5089,
0.4911

 104.4780, 0.4075,
0.4200

 0.1889, 0.5837,
0.4163


 133.4328, 0.4006,
0.4136


 0.0000, 0.0000,
0.0000


 167.2966, 0.3947,


0.4080


 206.4537, 0.3895,
0.4031


 19.8844, 0.4611,
0.4681

 19.8844, 0.4611,
0.4681


 19.4918, 0.4655,
0.4686

 20.7681, 0.4510,
0.4656

 21.7152, 0.4382,
0.4587

 22.7329, 0.4230,
0.4475

 23.8258, 0.4062,
0.4328

 24.9980, 0.3884,
0.4156

■ 26.2533, 0.3705,
0.3968

■ 27.5951, 0.3530,
0.3773

■ 29.0263, 0.3363,
0.3578

■ 30.5501, 0.3206,
0.3389

Harmonies

Analogous

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



19.8844, 0.5112, 0.3967



19.8844, 0.4611, 0.4681



19.8844, 0.3770, 0.5196

Triad

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



19.8844, 0.4611, 0.4681



19.8844, 0.1540, 0.2864



19.8844, 0.3163, 0.2127

Complementary

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



19.8844, 0.4611, 0.4681



3.8346, 0.1611, 0.0948

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.



19.8844, 0.2247, 0.1846



19.8844, 0.4611, 0.4681



19.8844, 0.1447, 0.2136

Square

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



19.8844, 0.4611, 0.4681



19.8844, 0.2004, 0.4010



19.8844, 0.1678, 0.1831



19.8844, 0.4242, 0.2630

Rectangle

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



19.8844, 0.4611, 0.4681



19.8844, 0.3136, 0.5187



19.8844, 0.1678, 0.1831



19.8844, 0.2824, 0.2006

Sweetspot

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



19.8854, 0.4611, 0.4681



49.0755, 0.3603, 0.3856



6.9892, 0.5802, 0.3020



10.6273, 0.3672, 0.3932



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.



19.8854, 0.4611, 0.4681



35.1063, 0.4665, 0.4678



26.0128, 0.3745, 0.5374



6.9842, 0.3265, 0.3461



16.3866, 0.4651, 0.4689



0.2974, 0.4414, 0.4877

Inverse Universe

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



3.8346, 0.1611, 0.0948



6.0190, 0.1566, 0.0838



2.9942, 0.1724, 0.0753



6.2433, 0.2988, 0.3113



2.9309, 0.1577, 0.0878



0.0915, 0.1773, 0.1581

Previews

White Background



This preview shows how the Yxy color 19.8844, 0.4611, 0.4681 looks on a white background.

Color Contrast Check

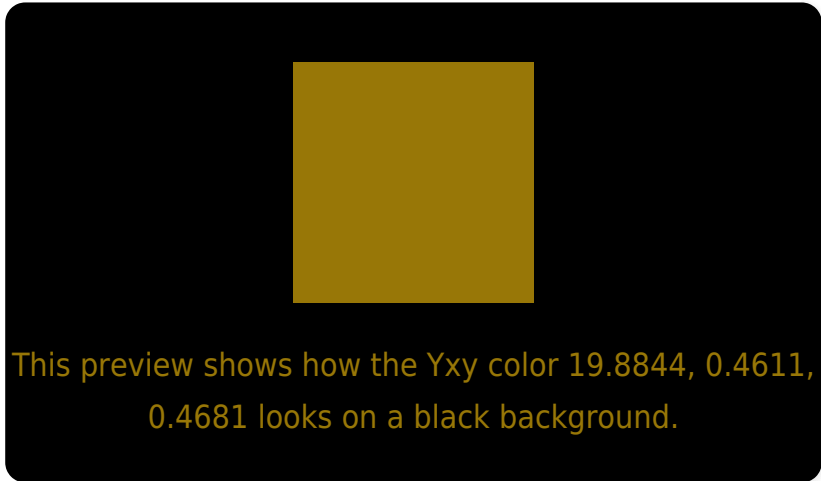
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.8844, 0.4611, 0.4681

Background



This preview shows how black text looks on a background with the Yxy color 19.8844, 0.4611, 0.4681.



This preview shows how white text looks on a background with the Yxy color 19.8844, 0.4611, 0.4681.

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

19.8844, 0.4611, 0.4681

Protanopia

19.9262, 0.4366, 0.4857

Deuteranopia

19.8147, 0.4679, 0.4605



Tritanopia

19.9699, 0.3659, 0.3161

Trichromacy



Original Color

19.8844, 0.4611, 0.4681

Protanomaly

19.8681, 0.4461, 0.4788

Deuteranomaly

19.9473, 0.4654, 0.4630

Tritanomaly

19.6526, 0.4167, 0.3881

Monochromacy



Original Color

19.8844, 0.4611, 0.4681

Achromatopsia

17.4647, 0.3127, 0.3290

Achromatomaly

17.9115, 0.3796, 0.4067

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.8844, 0.4611, 0.4681 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(152, 119, 7)` looks like.

```
.text, #text, p{  
    color:rgb(152, 119, 7)  
}
```

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(152, 119, 7) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 119, 7) }
```

Border

The CSS property to change the border of an element to Yxy 19.8844, 0.4611, 0.4681 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(152, 119, 7) }
```

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

```
.border{ border-color:rgb(152, 119, 7) }
```

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

Here you see how a box with a 4 pixel rgb(152, 119, 7) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 119, 7); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 119, 7);  
box-shadow:4px 4px 4px 4px rgb(152, 119,  
7) }
```


Background

The CSS property to change the background color of an element to Yxy 19.8844, 0.4611, 0.4681 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 119, 7) }
```

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

```
.background{ background-color: rgb(152,  
119, 7) }
```

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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