

Converting Colors

$Y_{xy}(19.4266, 0.4985, 0.5015)$

Have a look what the booklet for
Yxy(19.4266, 0.4985, 0.5015)
contains.

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Color

Yxy(19.6911, 0.4697, 0.4653)

Conversions

Conversions Part 1

Format	Color
Hex	9B7500
RGB	155, 117, 0
RGB Percent	61%, 46%, 0%
CMY	0.3922, 0.5411, 1.0000
CMYK	0.00, 0.25, 1.00, 0.39
HSL	45°, 100%, 30%
HSV	45°, 100%, 61%
XYZ	19.8773, 19.6911, 2.7507
YIQ	115.0240, 60.2050, -28.3310

Conversions

Conversions Part 2

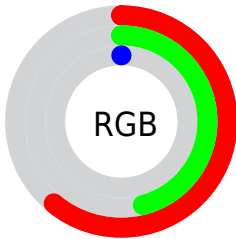
Format	Color
R_{YB}	50, 155, 0
Decimal	10188032
CIE Lab	51.49, 5.90, 57.67
CIE LCh	51, 57.971, 84.161
Yxy	19.6911, 0.4697, 0.4653
Android (android.graphics.Color)	4288378112 (0xFF9B7500)
YUV	115.0240, -56.7068, 35.0590
Hunter-Lab	44.3747, 2.3021, 27.3869

Details

The Yxy color **19.6911, 0.4697, 0.4653** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **3.7514, 0.1583, 0.0899**, and the grayscale version is **17.3144, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.0537, 0.4421, 0.4439**, and **6.9089, 0.4807, 0.4566** is the 20% darker color. If you saturate the color by 10%, you get **19.6922, 0.4697, 0.4653**, and if you desaturate by 10%, it is **20.6314, 0.4596, 0.4644**.

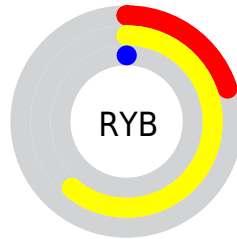
Distribution



Red (61%)

Green (46%)

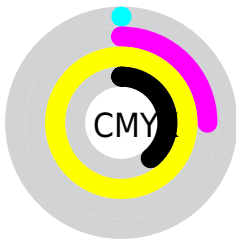
Blue (0%)



Red (20%)

Yellow (61%)

Blue (0%)

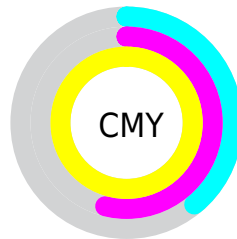


Cyan (0%)

Magenta (25%)

Yellow (100%)

Black (39%)



Cyan (39%)

Magenta (54%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 19.6911, 0.4697, 0.4653 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 19.6911, 0.4697, 0.4653 by changing the saturation by 10% instead.

■ 19.6911, 0.4697,
0.4653

■ 19.6911, 0.4697,
0.4653

■ 250.2379, 0.3890,
0.3988

■ 12.1707, 0.4858,
0.4763

■ 42.8987, 0.4421,
0.4440

■ 6.8600, 0.5086,
0.4914

■ 59.3547, 0.4310,
0.4348

■ 3.3747, 0.5142,
0.4858

■ 79.5579, 0.4213,
0.4268

■ 1.3304, 0.5237,
0.4763

■ 103.8929, 0.4130,
0.4197


■ 0.1645, 0.6461,
0.3539


■ 132.7440, 0.4058,
0.4135


■ 0.0000, 0.0000,
0.0000


■ 166.4956, 0.3995,

0.4080


 205.5321, 0.3939,
0.4031


 19.6911, 0.4697,
0.4653

 19.6911, 0.4697,
0.4653


 19.6922, 0.4697,
0.4653

 20.6314, 0.4596,
0.4644

 21.6340, 0.4474,
0.4599

 22.7127, 0.4326,
0.4509

 23.8727, 0.4158,
0.4380

 25.1188, 0.3979,
0.4221

■ 26.4551, 0.3795,
0.4042

■ 27.8854, 0.3615,
0.3853

■ 29.4131, 0.3441,
0.3661

■ 31.0416, 0.3278,
0.3472

Harmonies

Analogous

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



19.6911, 0.5182, 0.3915



19.6911, 0.4697, 0.4653



19.6911, 0.3849, 0.5227

Triad

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



19.6911, 0.4697, 0.4653



19.6911, 0.1522, 0.2923



19.6911, 0.3080, 0.2068

Complementary

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



19.6911, 0.4697, 0.4653



3.7514, 0.1583, 0.0899

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.



19.6911, 0.2165, 0.1801



19.6911, 0.4697, 0.4653



19.6911, 0.1403, 0.2142

Square

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



19.6911, 0.4697, 0.4653



19.6911, 0.2023, 0.4130



19.6911, 0.1614, 0.1806



19.6911, 0.4195, 0.2565

Rectangle

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



19.6911, 0.4697, 0.4653



19.6911, 0.3202, 0.5275



19.6911, 0.1614, 0.1806



19.6911, 0.2738, 0.1950

Sweetspot

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



19.6922, 0.4697, 0.4653



49.7914, 0.3625, 0.3864



7.1125, 0.5898, 0.3023



11.0386, 0.3696, 0.3939



78.7412, 0.3127, 0.3290



13.2868, 0.3127, 0.3290

Same Dimension

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



19.6922, 0.4697, 0.4653



34.9630, 0.4708, 0.4644



27.1695, 0.3763, 0.5394



6.9663, 0.3266, 0.3457



15.8805, 0.4692, 0.4657



0.2926, 0.4433, 0.4862

Inverse Universe

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



3.7514, 0.1583, 0.0899



6.4658, 0.1575, 0.0870



2.7927, 0.1656, 0.0686



6.2601, 0.2988, 0.3117



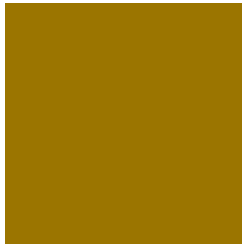
3.0662, 0.1587, 0.0912



0.0962, 0.1789, 0.1641

Previews

White Background



This preview shows how the Yxy color 19.6911, 0.4697, 0.4653 looks on a white background.

Color Contrast Check

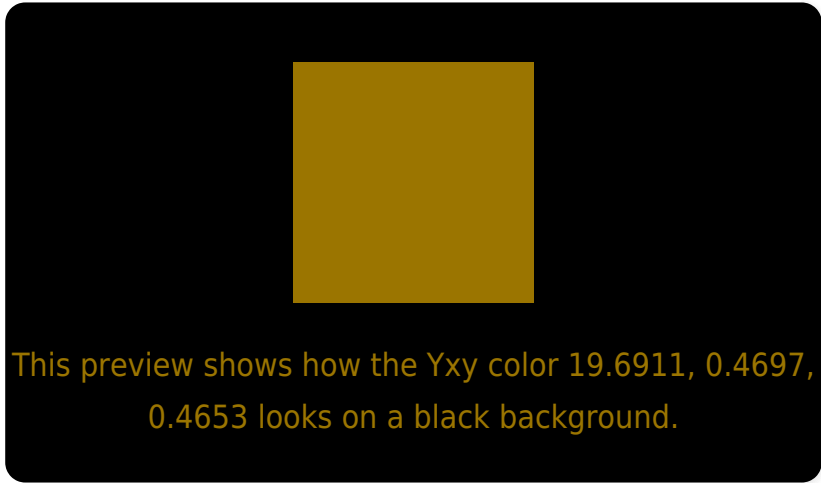
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.6911, 0.4697, 0.4653

Background



This preview shows how black text looks on a background with the Yxy color 19.6911, 0.4697, 0.4653.



This preview shows how white text looks on a background with the Yxy color 19.6911, 0.4697, 0.4653.

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

19.6911, 0.4697, 0.4653

Protanopia

19.6724, 0.4385, 0.4853

Deuteranopia

19.7993, 0.4698, 0.4629



Tritanopia

19.7987, 0.3735, 0.3163

Trichromacy



Original Color

19.6911, 0.4697, 0.4653

Protanomaly

19.7054, 0.4499, 0.4781

Deuteranomaly

19.7971, 0.4701, 0.4633

Tritanomaly

19.4537, 0.4275, 0.3899

Monochromacy



Original Color

19.6911, 0.4697, 0.4653

Achromatopsia

17.1441, 0.3127, 0.3290

Achromatomaly

17.7176, 0.3854, 0.4100

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.6911, 0.4697, 0.4653 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(155, 117, 0)` looks like.

```
.text, #text, p{  
    color:rgb(155, 117, 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(155, 117, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 117, 0) }
```

Border

The CSS property to change the border of an element to Yxy 19.6911, 0.4697, 0.4653 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(155, 117, 0) }
```

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

```
.border{ border-color:rgb(155, 117, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(155, 117, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 117, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 117, 0);  
box-shadow:4px 4px 4px 4px rgb(155, 117,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 19.6911, 0.4697, 0.4653 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 117, 0) }
```

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

```
.background{ background-color: rgb(155,  
117, 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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