

Converting Colors

$Yxy(18.0917, 0.5015, 0.4985)$

Have a look what the booklet for
Yxy(18.0917, 0.5015, 0.4985)
contains.

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Color

Yxy(18.1677, 0.4727, 0.4628)

Conversions

Conversions Part 1

Format	Color
Hex	977000
RGB	151, 112, 0
RGB Percent	59%, 44%, 0%
CMY	0.4079, 0.5608, 0.9995
CMYK	0.00, 0.26, 1.00, 0.41
HSL	44°, 100%, 30%
HSV	44°, 100%, 59%
XYZ	18.5563, 18.1677, 2.5320
YIQ	110.8930, 59.1960, -26.5640

Conversions

Conversions Part 2

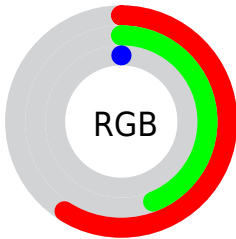
Format	Color
R_{YB}	53, 151, 0
Decimal	9924608
CIE _{Lab}	49.70, 6.88, 56.19
CIE _{LCh}	50, 56.607, 83.024
Yxy	18.1677, 0.4727, 0.4628
Android (android.graphics.Color)	4288114688 (0xFF977000)
YUV	110.8930, -54.6702, 35.1738
Hunter-Lab	42.6236, 3.1194, 26.3144

Details

The Yxy color **18.1677, 0.4727, 0.4628** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **3.6932, 0.1592, 0.0931**, and the grayscale version is **16.0169, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.1199, 0.4435, 0.4413**, and **6.2135, 0.4834, 0.4544** is the 20% darker color. If you saturate the color by 10%, you get **18.1614, 0.4728, 0.4628**, and if you desaturate by 10%, it is **19.0834, 0.4620, 0.4620**.

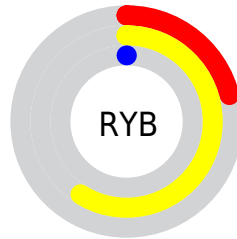
Distribution



Red (59%)

Green (44%)

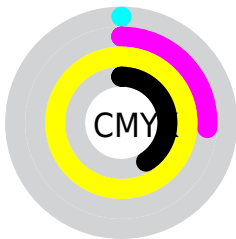
Blue (0%)



Red (21%)

Yellow (59%)

Blue (0%)

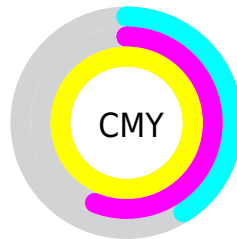


Cyan (0%)

Magenta (26%)

Yellow (100%)

Black (41%)



Cyan (41%)

Magenta (56%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 18.1677, 0.4727, 0.4628 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 18.1677, 0.4727, 0.4628 by changing the saturation by 10% instead.

■ 18.1677, 0.4727,
0.4628

■ 18.1677, 0.4727,
0.4628

■ 241.8146, 0.3892,
0.3971

■ 11.0705, 0.4898,
0.4735

■ 40.3229, 0.4438,
0.4418

■ 6.1142, 0.5130,
0.4870

■ 56.1496, 0.4322,
0.4327

■ 2.9147, 0.5201,
0.4799

■ 75.6549, 0.4222,
0.4247

■ 1.0873, 0.5324,
0.4676

■ 99.2233, 0.4137,
0.4177


■ 0.0000, 1.0000,
0.0000


■ 127.2390, 0.4063,
0.4116


■ 0.0000, 0.0000,
0.0000


■ 160.0865, 0.3998,


0.4062


 198.1503, 0.3942,
0.4014


 18.1677, 0.4727,
0.4628


 18.1677, 0.4727,
0.4628


 18.1614, 0.4728,
0.4628

 19.0834, 0.4620,
0.4620

 20.0613, 0.4492,
0.4576

 21.1145, 0.4339,
0.4487

 22.2481, 0.4166,
0.4360

 23.4666, 0.3983,
0.4203

■ 24.7738, 0.3797,
0.4027

■ 26.1733, 0.3615,
0.3841

■ 27.6685, 0.3440,
0.3652

■ 29.2624, 0.3277,
0.3467

Harmonies

Analogous

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



18.1677, 0.5195, 0.3888



18.1677, 0.4727, 0.4628



18.1677, 0.3886, 0.5219

Triad

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



18.1677, 0.4727, 0.4628



18.1677, 0.1530, 0.2961



18.1677, 0.3039, 0.2050

Complementary

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



18.1677, 0.4727, 0.4628



3.6932, 0.1592, 0.0931

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.



18.1677, 0.2135, 0.1792



18.1677, 0.4727, 0.4628



18.1677, 0.1398, 0.2160

Square

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



18.1677, 0.4727, 0.4628



18.1677, 0.2047, 0.4181



18.1677, 0.1597, 0.1809



18.1677, 0.4157, 0.2541

Rectangle

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



18.1677, 0.4727, 0.4628



18.1677, 0.3238, 0.5289



18.1677, 0.1597, 0.1809



18.1677, 0.2700, 0.1936

Sweetspot

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



18.1686, 0.4727, 0.4628



46.7016, 0.3627, 0.3854



6.7369, 0.5836, 0.2990



10.3901, 0.3697, 0.3927



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.



18.1686, 0.4727, 0.4628



32.2206, 0.4740, 0.4618



25.8299, 0.3792, 0.5370



6.9526, 0.3266, 0.3454



15.4993, 0.4724, 0.4631



0.2889, 0.4448, 0.4850

Inverse Universe

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



3.6932, 0.1592, 0.0931



6.3464, 0.1583, 0.0899



2.5998, 0.1641, 0.0678



6.2730, 0.2988, 0.3120



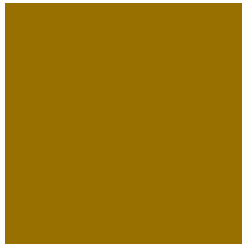
3.1773, 0.1595, 0.0940



0.0999, 0.1802, 0.1686

Previews

White Background



This preview shows how the Yxy color 18.1677, 0.4727, 0.4628 looks on a white background.

Color Contrast Check

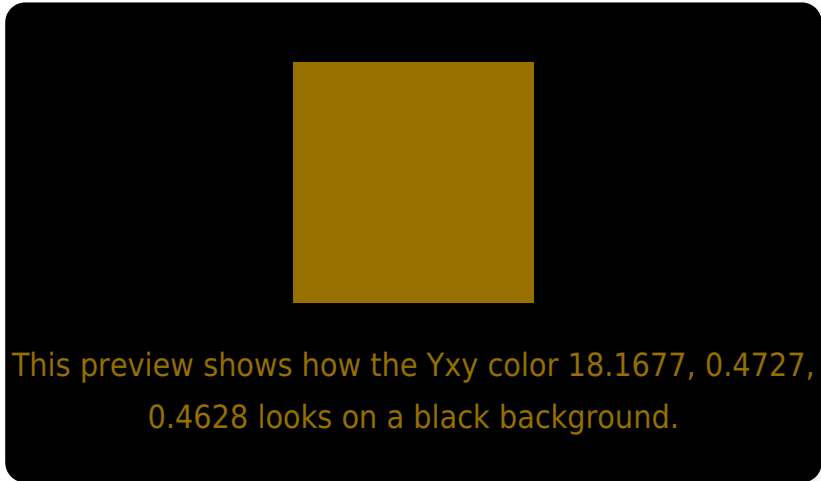
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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 18.1677, 0.4727, 0.4628

Background



This preview shows how black text looks on a background with the Yxy color 18.1677, 0.4727, 0.4628.



This preview shows how white text looks on a background with the Yxy color 18.1677, 0.4727, 0.4628.

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

18.1677, 0.4727, 0.4628

Protanopia

18.2795, 0.4376, 0.4856

Deuteranopia

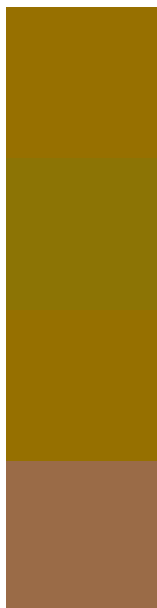
18.0724, 0.4715, 0.4638



Tritanopia

18.1384, 0.3759, 0.3159

Trichromacy



Original Color

18.1677, 0.4727, 0.4628

Protanomaly

18.0772, 0.4509, 0.4770

Deuteranomaly

18.0724, 0.4715, 0.4638

Tritanomaly

17.8403, 0.4294, 0.3884

Monochromacy



Original Color

18.1677, 0.4727, 0.4628

Achromatopsia

15.8961, 0.3127, 0.3290

Achromatomaly

16.2594, 0.3859, 0.4068

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.1677, 0.4727, 0.4628 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(151, 112, 0)` looks like.

```
.text, #text, p{  
    color:rgb(151, 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(151, 112, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 112, 0) }
```

Border

The CSS property to change the border of an element to Yxy 18.1677, 0.4727, 0.4628 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(151, 112, 0) }
```

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

```
.border{ border-color:rgb(151, 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(151, 112, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 112, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 112, 0);  
box-shadow:4px 4px 4px 4px rgb(151, 112,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 18.1677, 0.4727, 0.4628 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 112, 0) }
```

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

```
.background{ background-color: rgb(151,  
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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