

Converting Colors

$Y_{xy}(18.4766, 0.4744, 0.4616)$

Have a look what the booklet for
Yxy(18.4766, 0.4744, 0.4616)
contains.

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Color

Yxy(18.5826, 0.4736, 0.4622)

Conversions

Conversions Part 1

Format	Color
Hex	997100
RGB	153, 113, 0
RGB Percent	60%, 44%, 0%
CMY	0.4000, 0.5568, 1.0000
CMYK	0.00, 0.26, 1.00, 0.40
HSL	44°, 100%, 30%
HSV	44°, 100%, 60%
XYZ	19.0409, 18.5826, 2.5811
YIQ	112.0780, 60.1130, -26.6630

Conversions

Conversions Part 2

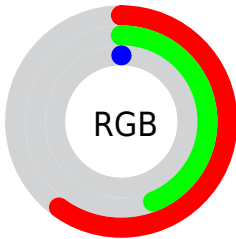
Format	Color
R_{YB}	54, 153, 0
Decimal	10055936
CIE Lab	50.20, 7.24, 56.68
CIE LCh	50, 57.137, 82.721
Yxy	18.5826, 0.4736, 0.4622
Android (android.graphics.Color)	4288246016 (0xFF997100)
YUV	112.0780, -55.2545, 35.8886
Hunter-Lab	43.1075, 3.4066, 26.6252

Details

The Yxy color **18.5826, 0.4736, 0.4622** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **3.8164, 0.1593, 0.0934**, and the grayscale version is **16.3802, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.9181, 0.4454, 0.4407**, and **6.4378, 0.4845, 0.4535** is the 20% darker color. If you saturate the color by 10%, you get **18.5837, 0.4736, 0.4622**, and if you desaturate by 10%, it is **19.5311, 0.4628, 0.4615**.

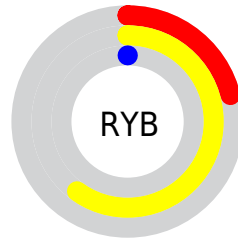
Distribution



Red (60%)

Green (44%)

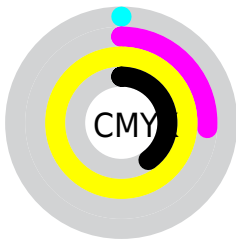
Blue (0%)



Red (21%)

Yellow (60%)

Blue (0%)

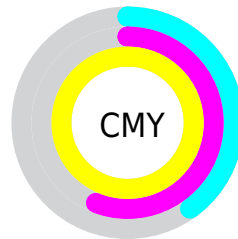


Cyan (0%)

Magenta (26%)

Yellow (100%)

Black (40%)



Cyan (40%)


Magenta (56%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.5826, 0.4736, 0.4622 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 18.5826, 0.4736, 0.4622 by changing the saturation by 10% instead.


 18.5826, 0.4736,
0.4622


 18.5826, 0.4736,
0.4622


244.1347, 0.3899,
0.3972

 11.3691, 0.4907,
0.4726


 41.0276, 0.4447,
0.4415

 6.3156, 0.5141,
0.4859


 57.0278, 0.4331,
0.4326

 3.0380, 0.5213,
0.4787

 76.7258, 0.4231,
0.4247

 1.1516, 0.5339,
0.4661

 100.5058, 0.4145,
0.4177


 0.0216, 0.9012,
0.0988


 128.7523, 0.4071,
0.4116


 0.0000, 0.0000,
0.0000


 161.8497, 0.4006,


0.4063

 200.1824, 0.3949,
0.4015

 18.5826, 0.4736,
0.4622


 18.5826, 0.4736,
0.4622


 18.5837, 0.4736,
0.4622

 19.5311, 0.4628,
0.4615

 20.5445, 0.4499,
0.4573

 21.6363, 0.4345,
0.4485

 22.8119, 0.4171,
0.4358

 24.0757, 0.3987,
0.4202

■ 25.4320, 0.3801,
0.4027

■ 26.8845, 0.3617,
0.3841

■ 28.4365, 0.3442,
0.3653

■ 30.0913, 0.3278,
0.3468

Harmonies

Analogous

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



18.5826, 0.5200, 0.3880



18.5826, 0.4736, 0.4622



18.5826, 0.3896, 0.5218

Triad

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



18.5826, 0.4736, 0.4622



18.5826, 0.1530, 0.2971



18.5826, 0.3028, 0.2045

Complementary

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



18.5826, 0.4736, 0.4622



3.8164, 0.1593, 0.0934

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.



18.5826, 0.2126, 0.1789



18.5826, 0.4736, 0.4622



18.5826, 0.1395, 0.2164

Square

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



18.5826, 0.4736, 0.4622



18.5826, 0.2052, 0.4195



18.5826, 0.1591, 0.1808



18.5826, 0.4148, 0.2534

Rectangle

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



18.5826, 0.4736, 0.4622



18.5826, 0.3248, 0.5295



18.5826, 0.1591, 0.1808



18.5826, 0.2689, 0.1931

Sweetspot

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



18.5837, 0.4736, 0.4622



47.9921, 0.3628, 0.3852



6.9304, 0.5841, 0.2992



10.3722, 0.3698, 0.3924



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.



18.5837, 0.4736, 0.4622



32.9697, 0.4748, 0.4612



26.5829, 0.3792, 0.5371



6.9495, 0.3266, 0.3454



15.4164, 0.4731, 0.4626



0.2881, 0.4451, 0.4848

Inverse Universe

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



3.8164, 0.1593, 0.0934



6.5735, 0.1585, 0.0904



2.6694, 0.1639, 0.0677



6.2759, 0.2988, 0.3121



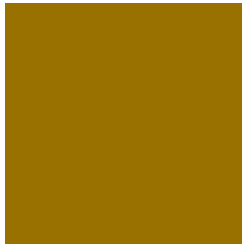
3.2026, 0.1596, 0.0946



0.1008, 0.1805, 0.1696

Previews

White Background



This preview shows how the Yxy color 18.5826, 0.4736, 0.4622 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 18.5826, 0.4736, 0.4622 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 18.5826, 0.4736, 0.4622

Background



This preview shows how black text looks on a background with the Yxy color 18.5826, 0.4736, 0.4622.



This preview shows how white text looks on a background with the Yxy color 18.5826, 0.4736, 0.4622.

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

18.5826, 0.4736, 0.4622

Protanopia

18.6036, 0.4372, 0.4854

Deuteranopia

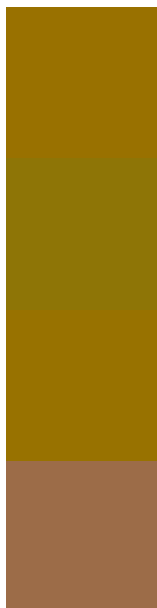
18.7100, 0.4708, 0.4644



Tritanopia

18.5645, 0.3768, 0.3161

Trichromacy



Original Color

18.5826, 0.4736, 0.4622

Protanomaly

18.4865, 0.4517, 0.4758

Deuteranomaly

18.7100, 0.4708, 0.4644

Tritanomaly

18.2609, 0.4298, 0.3878

Monochromacy



Original Color

18.5826, 0.4736, 0.4622

Achromatopsia

16.2029, 0.3127, 0.3290

Achromatomaly

16.5553, 0.3866, 0.4081

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.5826, 0.4736, 0.4622 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(153, 113, 0)` looks like.

```
.text, #text, p{  
    color:rgb(153, 113, 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(153, 113, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 113, 0) }
```

Border

The CSS property to change the border of an element to Yxy 18.5826, 0.4736, 0.4622 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(153, 113, 0) }
```

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

```
.border{ border-color:rgb(153, 113, 0) }
```

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

Here you see how a box with a 4 pixel rgb(153, 113, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 113, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 113, 0);  
box-shadow:4px 4px 4px 4px rgb(153, 113,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 18.5826, 0.4736, 0.4622 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 113, 0) }
```

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

```
.background{ background-color: rgb(153,  
113, 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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