

Converting Colors

$Y_{xy}(18.5752, 0.4835, 0.4543)$

Have a look what the booklet for
Yxy(18.5752, 0.4835, 0.4543)
contains.

Yxy(18.6380, 0.4828, 0.4548)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(18.6380, 0.4828, 0.4548)

Conversions

Conversions Part 1

Format	Color
Hex	9E6F00
RGB	158, 111, 0
RGB Percent	62%, 44%, 0%
CMY	0.3804, 0.5647, 0.9996
CMYK	0.00, 0.30, 1.00, 0.38
HSL	42°, 100%, 31%
HSV	42°, 100%, 62%
XYZ	19.7855, 18.6380, 2.5572
YIQ	112.3990, 63.6430, -24.5570

Conversions

Conversions Part 2

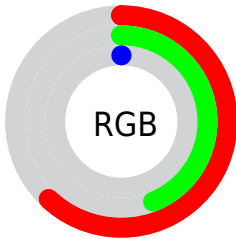
Format	Color
R_{YB}	67, 158, 0
Decimal	10383104
CIE _{Lab}	50.26, 10.72, 56.97
CIE _{LCh}	50, 57.968, 79.343
Yxy	18.6380, 0.4828, 0.4548
Android (android.graphics.Color)	4288573184 (0xFF9E6F00)
YUV	112.3990, -55.4127, 39.9921
Hunter-Lab	43.1718, 6.2553, 26.7083

Details

The Yxy color **18.6380, 0.4828, 0.4548** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **4.5095, 0.1615, 0.1012**, and the grayscale version is **16.4828, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.9625, 0.4520, 0.4360**, and **6.4335, 0.4967, 0.4438** is the 20% darker color. If you saturate the color by 10%, you get **18.6326, 0.4829, 0.4548**, and if you desaturate by 10%, it is **19.7293, 0.4707, 0.4551**.

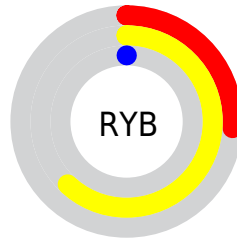
Distribution



Red (62%)

Green (44%)

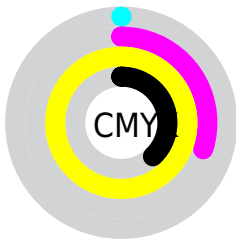
Blue (0%)



Red (26%)

Yellow (62%)

Blue (0%)

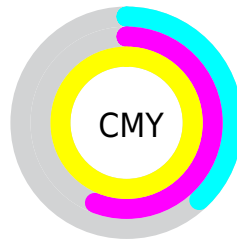


Cyan (0%)

Magenta (30%)

Yellow (100%)

Black (38%)



Cyan (38%)


Magenta (56%)


Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 18.6380, 0.4828, 0.4548 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 18.6380, 0.4828, 0.4548 by changing the saturation by 10% instead.


 18.6380, 0.4828,
0.4548

 18.6380, 0.4828,
0.4548


244.4430, 0.3938,
0.3952


 11.4090, 0.5014,
0.4633


 41.1215, 0.4518,
0.4365

 6.3426, 0.5266,
0.4734


 57.1448, 0.4395,
0.4284

 3.0545, 0.5370,
0.4630

 76.8683, 0.4290,
0.4211

 1.1603, 0.5549,
0.4451

 100.6764, 0.4199,
0.4146


 0.0289, 0.9092,
0.0908


 128.9536, 0.4120,
0.4088


 0.0000, 0.0000,
0.0000


 162.0841, 0.4052,

0.4038


 200.4524, 0.3991,
0.3992


 18.6380, 0.4828,
0.4548


 18.6380, 0.4828,
0.4548


 18.6326, 0.4829,
0.4548

 19.7293, 0.4707,
0.4551

 20.9031, 0.4563,
0.4515

 22.1736, 0.4393,
0.4434

 23.5469, 0.4207,
0.4313

 25.0281, 0.4011,
0.4163

■ 26.6219, 0.3815,
0.3994

■ 28.3325, 0.3625,
0.3816

■ 30.1640, 0.3445,
0.3635

■ 32.1201, 0.3279,
0.3459

Harmonies

Analogous

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



18.6380, 0.5240, 0.3798



18.6380, 0.4828, 0.4548



18.6380, 0.4006, 0.5193

Triad

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



18.6380, 0.4828, 0.4548



18.6380, 0.1551, 0.3089



18.6380, 0.2906, 0.1990

Complementary

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



18.6380, 0.4828, 0.4548



4.5095, 0.1615, 0.1012

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.



18.6380, 0.2035, 0.1762



18.6380, 0.4828, 0.4548



18.6380, 0.1376, 0.2216

Square

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



18.6380, 0.4828, 0.4548



18.6380, 0.2122, 0.4352



18.6380, 0.1537, 0.1814



18.6380, 0.4035, 0.2460

Rectangle

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



18.6380, 0.4828, 0.4548



18.6380, 0.3357, 0.5339



18.6380, 0.1537, 0.1814



18.6380, 0.2576, 0.1885

Sweetspot

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



18.6389, 0.4828, 0.4548



51.2447, 0.3637, 0.3828



7.4801, 0.5731, 0.2932



11.2702, 0.3712, 0.3899



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290

Same Dimension

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



18.6389, 0.4828, 0.4548



33.4747, 0.4844, 0.4536



28.9214, 0.3848, 0.5326



7.3867, 0.3268, 0.3447



14.9937, 0.4822, 0.4553



0.3377, 0.4522, 0.4791

Inverse Universe

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



4.5095, 0.1615, 0.1012



7.8713, 0.1606, 0.0980



2.7726, 0.1607, 0.0659



6.7411, 0.2988, 0.3129



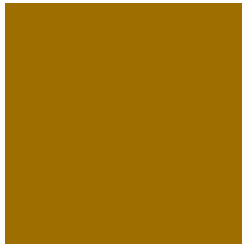
3.6688, 0.1618, 0.1026



0.1342, 0.1828, 0.1780

Previews

White Background



This preview shows how the Yxy color 18.6380, 0.4828, 0.4548 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 18.6380, 0.4828, 0.4548 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 18.6380, 0.4828, 0.4548

Background



This preview shows how black text looks on a background with the Yxy color 18.6380, 0.4828, 0.4548.



This preview shows how white text looks on a background with the Yxy color 18.6380, 0.4828, 0.4548.

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

18.6380, 0.4828, 0.4548

Protanopia

18.6058, 0.4369, 0.4850

Deuteranopia

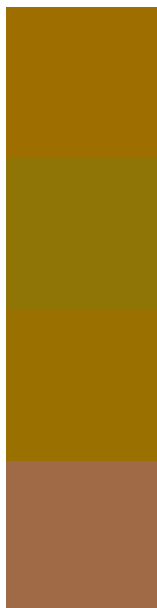
18.7100, 0.4708, 0.4644



Tritanopia

18.6347, 0.3876, 0.3164

Trichromacy



Original Color

18.6380, 0.4828, 0.4548

Protanomaly

18.5754, 0.4530, 0.4748

Deuteranomaly

18.6803, 0.4748, 0.4612

Tritanomaly

18.3401, 0.4398, 0.3843

Monochromacy



Original Color

18.6380, 0.4828, 0.4548

Achromatopsia

16.2029, 0.3127, 0.3290

Achromatomaly

16.7104, 0.3895, 0.4072

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.6380, 0.4828, 0.4548 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(158, 111, 0)` looks like.

```
.text, #text, p{  
    color:rgb(158, 111, 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(158, 111, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 111, 0) }
```

Border

The CSS property to change the border of an element to Yxy 18.6380, 0.4828, 0.4548 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(158, 111, 0) }
```

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

```
.border{ border-color:rgb(158, 111, 0) }
```

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

Here you see how a box with a 4 pixel rgb(158, 111, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 111, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 111, 0);  
box-shadow:4px 4px 4px 4px rgb(158, 111,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 18.6380, 0.4828, 0.4548 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 111, 0) }
```

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

```
.background{ background-color: rgb(158,  
111, 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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