

Converting Colors

$Y_{xy}(18.3601, 0.4467, 0.4835)$

Have a look what the booklet for
Yxy(18.3601, 0.4467, 0.4835)
contains.

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Color

Yxy(18.3601, 0.4467, 0.4835)

Conversions

Conversions Part 1

Format	Color
Hex	8A7600
RGB	138, 118, 0
RGB Percent	54%, 46%, 0%
CMY	0.4587, 0.5373, 0.9999
CMYK	0.00, 0.15, 1.00, 0.46
HSL	51°, 100%, 27%
HSV	51°, 100%, 54%
XYZ	16.9627, 18.3601, 2.6505
YIQ	110.5280, 49.7980, -32.4580

Conversions

Conversions Part 2

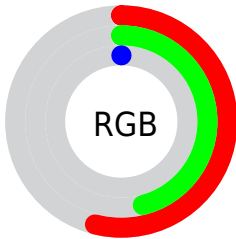
Format	Color
R_{YB}	23, 138, 0
Decimal	9074176
CIE Lab	49.93, -2.67, 55.71
CIE LCh	50, 55.773, 92.748
Yxy	18.3601, 0.4467, 0.4835
Android (android.graphics.Color)	4287264256 (0xFF8A7600)
YUV	110.5280, -54.4903, 24.0929
Hunter-Lab	42.8487, -4.3217, 26.3265

Details

The Yxy color **18.3601, 0.4467, 0.4835** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **2.3383, 0.1540, 0.0744**, and the grayscale version is **15.9045, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.7217, 0.4236, 0.4563**, and **6.2651, 0.4493, 0.4815** is the 20% darker color. If you saturate the color by 10%, you get **18.3598, 0.4467, 0.4835**, and if you desaturate by 10%, it is **18.8690, 0.4398, 0.4803**.

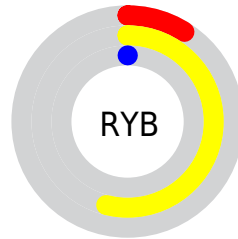
Distribution



Red (54%)

Green (46%)

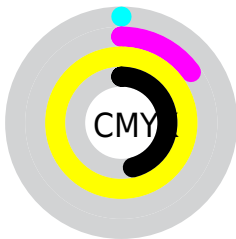
Blue (0%)



Red (9%)

Yellow (54%)

Blue (0%)

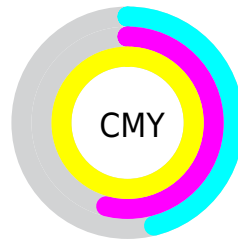


Cyan (0%)

Magenta (15%)

Yellow (100%)

Black (46%)



Cyan (46%)


Magenta (54%)


Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 18.3601, 0.4467, 0.4835 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 18.3601, 0.4467, 0.4835 by changing the saturation by 10% instead.


 18.3601, 0.4467,
0.4835

 18.3601, 0.4467,
0.4835


242.8930, 0.3784,
0.4029


 11.2088, 0.4593,
0.4997


 40.6500, 0.4238,
0.4557


 6.2075, 0.4771,
0.5229

 56.5574, 0.4143,
0.4445

 2.9716, 0.4743,
0.5257

 76.1523, 0.4061,
0.4349

 1.1169, 0.4692,
0.5308

 99.8190, 0.3990,
0.4266


 0.0000, 0.0000,
0.0000


 127.9421, 0.3928,
0.4195

 160.9059, 0.3874,


0.4133


 199.0947, 0.3827,
0.4078


 18.3601, 0.4467,
0.4835

 18.3601, 0.4467,
0.4835


 18.3598, 0.4467,
0.4835

 18.8690, 0.4398,
0.4803

 19.4068, 0.4310,
0.4739

 19.9849, 0.4197,
0.4634

 20.6072, 0.4062,
0.4491

 21.2768, 0.3912,
0.4317

■ 21.9966, 0.3753,
0.4122

■ 22.7692, 0.3590,
0.3914

■ 23.5970, 0.3429,
0.3702

■ 24.4822, 0.3274,
0.3493

Harmonies

Analogous

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



18.3601, 0.5073, 0.4123



18.3601, 0.4467, 0.4835



18.3601, 0.3574, 0.5265

Triad

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



18.3601, 0.4467, 0.4835



18.3601, 0.1472, 0.2660



18.3601, 0.3392, 0.2203

Complementary

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



18.3601, 0.4467, 0.4835



2.3383, 0.1540, 0.0744

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.



18.3601, 0.2402, 0.1867



18.3601, 0.4467, 0.4835



18.3601, 0.1450, 0.2023

Square

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



18.3601, 0.4467, 0.4835



18.3601, 0.1856, 0.3757



18.3601, 0.1752, 0.1792



18.3601, 0.4468, 0.2747

Rectangle

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



18.3601, 0.4467, 0.4835



18.3601, 0.2929, 0.5130



18.3601, 0.1752, 0.1792



18.3601, 0.3032, 0.2064

Sweetspot

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



18.3610, 0.4467, 0.4835



40.0266, 0.3600, 0.3928



5.4591, 0.6149, 0.3161



8.8649, 0.3660, 0.4005



69.2071, 0.3127, 0.3290



10.0482, 0.3127, 0.3290

Same Dimension

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



18.3610, 0.4467, 0.4835



32.1733, 0.4474, 0.4830



20.3437, 0.3604, 0.5520



5.7234, 0.3261, 0.3476



16.8435, 0.4466, 0.4836



0.1276, 0.4317, 0.4954

Inverse Universe

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



2.3383, 0.1540, 0.0744



3.9692, 0.1533, 0.0720



2.4728, 0.1791, 0.0760



5.0019, 0.2991, 0.3097



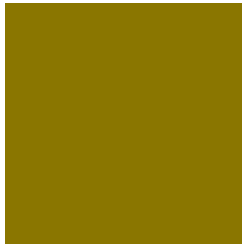
2.1565, 0.1541, 0.0748



0.0272, 0.1689, 0.1279

Previews

White Background



This preview shows how the Yxy color 18.3601, 0.4467, 0.4835 looks on a white background.

Color Contrast Check

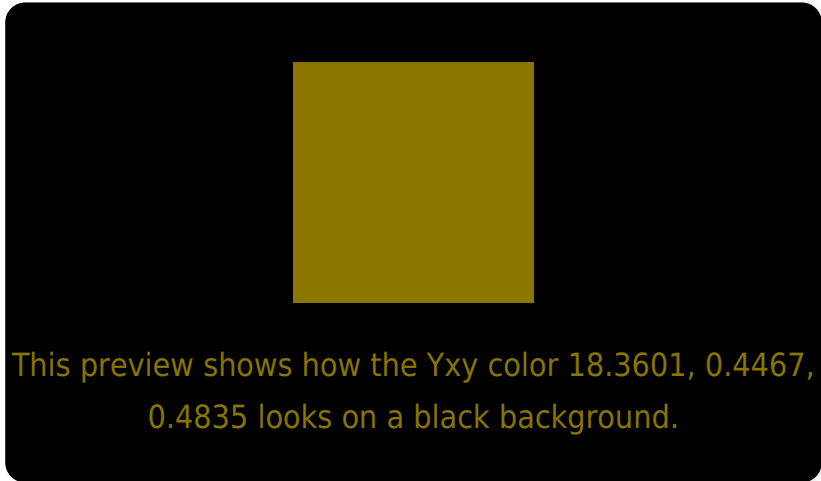
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.3601, 0.4467, 0.4835

Background



This preview shows how black text looks on a background with the Yxy color 18.3601, 0.4467, 0.4835.



This preview shows how white text looks on a background with the Yxy color 18.3601, 0.4467, 0.4835.

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

18.3601, 0.4467, 0.4835

Protanopia

18.2707, 0.4387, 0.4873

Deuteranopia

18.3233, 0.4660, 0.4602



Tritanopia

18.4796, 0.3501, 0.3152

Trichromacy



Original Color

18.3601, 0.4467, 0.4835

Protanomaly

18.3511, 0.4403, 0.4866

Deuteranomaly

18.3900, 0.4594, 0.4686

Tritanomaly

18.0690, 0.4022, 0.3964

Monochromacy



Original Color

18.3601, 0.4467, 0.4835

Achromatopsia

15.8961, 0.3127, 0.3290

Achromatomaly

16.5545, 0.3764, 0.4143

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.3601, 0.4467, 0.4835 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(138, 118, 0)` looks like.

```
.text, #text, p{  
    color:rgb(138, 118, 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(138, 118, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 118, 0) }
```

Border

The CSS property to change the border of an element to Yxy 18.3601, 0.4467, 0.4835 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(138, 118, 0) }
```

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

```
.border{ border-color:rgb(138, 118, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 118, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 118, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 118, 0);  
box-shadow:4px 4px 4px 4px rgb(138, 118,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 18.3601, 0.4467, 0.4835 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 118, 0) }
```

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

```
.background{ background-color: rgb(138,  
118, 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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