

Converting Colors

$Y_{xy}(18.4187, 0.4338, 0.4651)$

Have a look what the booklet for
Yxy(18.4187, 0.4338, 0.4651)
contains.

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Color

Yxy(18.4644, 0.4337, 0.4650)

Conversions

Conversions Part 1

Format	Color
Hex	8A7620
RGB	138, 118, 32
RGB Percent	54%, 46%, 13%
CMY	0.4588, 0.5373, 0.8745
CMYK	0.00, 0.14, 0.77, 0.46
HSL	49°, 62%, 33%
HSV	49°, 77%, 54%
XYZ	17.2215, 18.4644, 4.0225
YIQ	114.1760, 39.5260, -22.5060

Conversions

Conversions Part 2

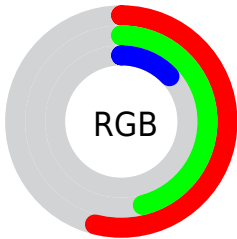
Format	Color
RYB	57, 138, 32
Decimal	9074208
CIELab	50.05, -1.79, 47.28
CIELCh	50, 47.311, 92.164
Yxy	18.4644, 0.4337, 0.4650
Android (android.graphics.Color)	4287264288 (0xFF8A7620)
YUV	114.1760, -40.5128, 20.8936
Hunter-Lab	42.9702, -3.6590, 24.5290

Details

The Yxy color **18.4644, 0.4337, 0.4650** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **4.5989, 0.1801, 0.1292**, and the grayscale version is **16.9987, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.8433, 0.4102, 0.4388**, and **6.3116, 0.4513, 0.4798** is the 20% darker color. If you saturate the color by 10%, you get **17.8002, 0.4448, 0.4721**, and if you desaturate by 10%, it is **19.1787, 0.4202, 0.4537**.

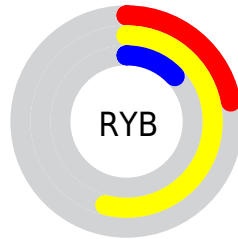
Distribution



Red (54%)

Green (46%)

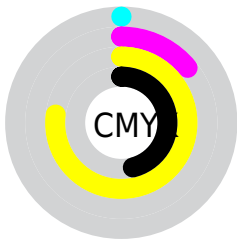
Blue (13%)



Red (22%)

Yellow (54%)

Blue (13%)

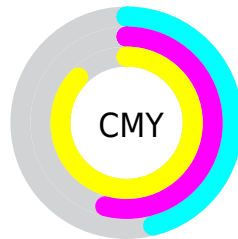


Cyan (0%)

Magenta (14%)

Yellow (77%)

Black (46%)



Cyan (46%)


Magenta (54%)

Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.4644, 0.4337, 0.4650 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 18.4644, 0.4337, 0.4650 by changing the saturation by 10% instead.


 18.4644, 0.4337,
0.4650


 18.4644, 0.4337,
0.4650


 243.4758, 0.3694,
0.3917


 11.2839, 0.4480,
0.4820


 40.8271, 0.4107,
0.4384


 6.2581, 0.4682,
0.5061


 56.7781, 0.4017,
0.4282


 3.0027, 0.4786,
0.5214

 76.4213, 0.3942,
0.4196

 1.1331, 0.4753,
0.5247

 100.1413, 0.3877,
0.4123

 0.0060, 0.0000,
1.0000

 128.3223, 0.3821,
0.4060

 0.0000, 0.0000,
0.0000

 161.3488, 0.3773,

0.4006

199.6051, 0.3731,
0.3959

18.4644, 0.4337,
0.4650

18.4644, 0.4337,
0.4650

17.8002, 0.4448,
0.4721

19.1787, 0.4202,
0.4537

17.1773, 0.4534,
0.4752

19.9442, 0.4049,
0.4389

16.9838, 0.4561,
0.4760

20.7649, 0.3884,
0.4214

21.6436, 0.3714,
0.4022

22.5829, 0.3545,
0.3821

■ 23.5853, 0.3382,
0.3619

■ 24.6530, 0.3227,
0.3421

■ 25.7880, 0.3082,
0.3231

■ 26.9924, 0.2949,
0.3051

Harmonies

Analogous

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



18.4644, 0.4825, 0.4057



18.4644, 0.4337, 0.4650



18.4644, 0.3570, 0.4959

Triad

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



18.4644, 0.4337, 0.4650



18.4644, 0.1682, 0.2789



18.4644, 0.3345, 0.2332

Complementary

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



18.4644, 0.4337, 0.4650



4.5989, 0.1801, 0.1292

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.



18.4644, 0.2494, 0.2035



18.4644, 0.4337, 0.4650



18.4644, 0.1647, 0.2208

Square

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



18.4644, 0.4337, 0.4650



18.4644, 0.2048, 0.3715



18.4644, 0.1916, 0.1979



18.4644, 0.4250, 0.2821

Rectangle

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



18.4644, 0.4337, 0.4650



18.4644, 0.3005, 0.4822



18.4644, 0.1916, 0.1979



18.4644, 0.3039, 0.2209

Sweetspot

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



18.4653, 0.4337, 0.4650



40.3750, 0.3490, 0.3754



6.6959, 0.5196, 0.2987



8.9331, 0.3542, 0.3818



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.



18.4653, 0.4337, 0.4650



30.5813, 0.4511, 0.4745



21.3608, 0.3704, 0.5164



5.6872, 0.3262, 0.3466



15.5892, 0.4560, 0.4762



0.1227, 0.4360, 0.4920

Inverse Universe

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



4.5989, 0.1801, 0.1292



5.2280, 0.1608, 0.0912



3.9515, 0.2025, 0.1110



5.0352, 0.2991, 0.3107



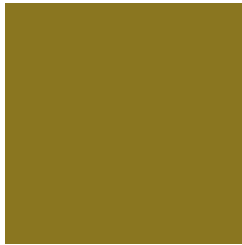
2.3789, 0.1560, 0.0815



0.0321, 0.1736, 0.1451

Previews

White Background



This preview shows how the Yxy color 18.4644, 0.4337, 0.4650 looks on a white background.

Color Contrast Check

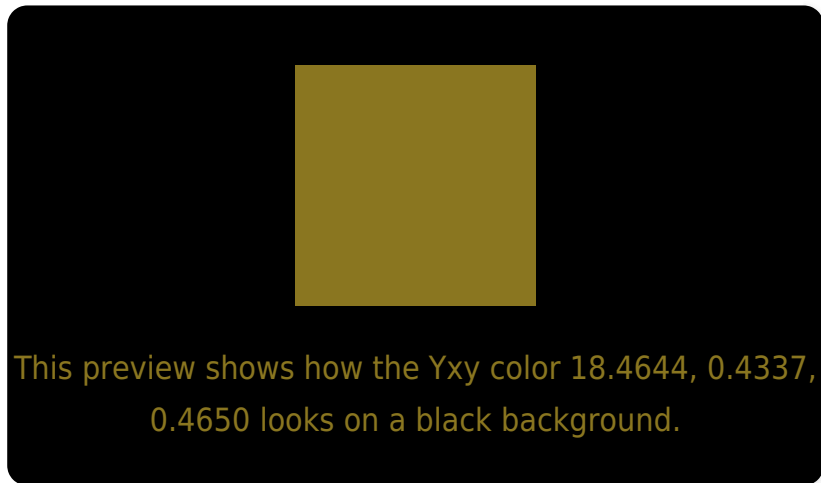
Large Text (above 18pt) WCAG AA ✓ Pass

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

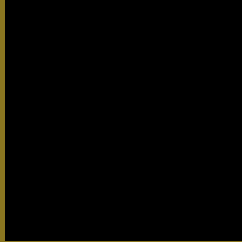
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 18.4644, 0.4337, 0.4650

Background



This preview shows how black text looks on a background with the Yxy color 18.4644, 0.4337, 0.4650.



This preview shows how white text looks on a background with the Yxy color 18.4644, 0.4337, 0.4650.

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

18.4644, 0.4337, 0.4650

Protanopia

18.6056, 0.4257, 0.4712

Deuteranopia

18.4098, 0.4550, 0.4462



Tritanopia

18.4131, 0.3473, 0.3134

Trichromacy



Original Color

18.4644, 0.4337, 0.4650

Protanomaly

18.4488, 0.4283, 0.4690

Deuteranomaly

18.4823, 0.4477, 0.4532

Tritanomaly

18.2492, 0.3866, 0.3757

Monochromacy



Original Color

18.4644, 0.4337, 0.4650

Achromatopsia

16.8269, 0.3127, 0.3290

Achromatomaly

17.1125, 0.3625, 0.3901

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.4644, 0.4337, 0.4650 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, 32)` looks like.

```
.text, #text, p{  
    color:rgb(138, 118, 32)  
}
```

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, 32) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 118, 32) }
```

Border

The CSS property to change the border of an element to Yxy 18.4644, 0.4337, 0.4650 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, 32) }
```

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

```
.border{ border-color:rgb(138, 118, 32) }
```

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, 32)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 118, 32); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 118, 32);  
box-shadow:4px 4px 4px 4px rgb(138, 118,  
32) }
```


Background

The CSS property to change the background color of an element to Yxy 18.4644, 0.4337, 0.4650 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, 32) }
```

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

```
.background{ background-color: rgb(138,  
118, 32) }
```

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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