

Converting Colors

$Y_{xy}(18.2231, 0.3646, 0.4067)$

Have a look what the booklet for
Yxy(18.2231, 0.3646, 0.4067)
contains.

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Color

Yxy(18.2231, 0.3646, 0.4067)

Conversions

Conversions Part 1

Format	Color
Hex	7B7850
RGB	123, 120, 80
RGB Percent	48%, 47%, 31%
CMY	0.5175, 0.5294, 0.6862
CMYK	0.00, 0.02, 0.35, 0.52
HSL	56°, 21%, 40%
HSV	56°, 35%, 48%
XYZ	16.3367, 18.2231, 10.2474
YIQ	116.3370, 14.6280, -11.8040

Conversions

Conversions Part 2

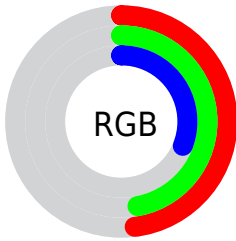
Format	Color
RYB	83, 123, 80
Decimal	8091728
CIELab	49.77, -5.47, 22.42
CIElCh	50, 23.074, 103.718
Yxy	18.2231, 0.3646, 0.4067
Android (android.graphics.Color)	4286281808 (0xFF7B7850)
YUV	116.3370, -17.9141, 5.8435
Hunter-Lab	42.6885, -6.3937, 15.6494

Details

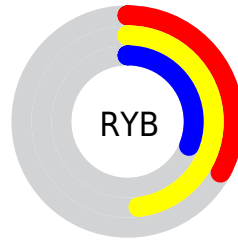
The Yxy color **18.2231, 0.3646, 0.4067** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **9.3312, 0.2538, 0.2372**, and the grayscale version is **17.6286, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.3469, 0.3527, 0.3879**, and **6.1667, 0.3840, 0.4423** is the 20% darker color. If you saturate the color by 10%, you get **17.8501, 0.3793, 0.4280**, and if you desaturate by 10%, it is **18.6330, 0.3495, 0.3844**.

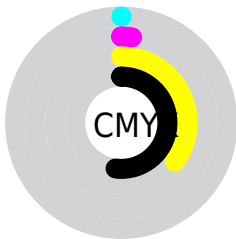
Distribution



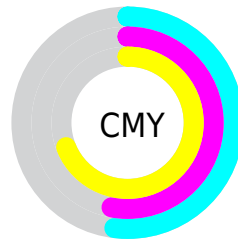
- Red (48%)
- Green (47%)
- Blue (31%)



- Red (33%)
- Yellow (48%)
- Blue (31%)



- Cyan (0%)
- Magenta (2%)
- Yellow (35%)
- Black (52%)





- Cyan (52%)
- Magenta (53%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.2231, 0.3646, 0.4067 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 18.2231, 0.3646, 0.4067 by changing the saturation by 10% instead.


 18.2231, 0.3646,
0.4067


 18.2231, 0.3646,
0.4067


242.1256, 0.3353,
0.3616

 11.1103, 0.3730,
0.4205


 40.4171, 0.3531,
0.3885

 6.1411, 0.3843,
0.4399

 56.2671, 0.3491,
0.3823

 2.9310, 0.4002,
0.4693

 75.7983, 0.3457,
0.3772

 1.0958, 0.4496,
0.5504

 99.3950, 0.3430,
0.3730

 0.0000, 0.0000,
0.0000

 127.4417, 0.3406,
0.3694

160.3228, 0.3386,

0.3664

198.4226, 0.3369,
0.3638

■ 18.2231, 0.3646,
0.4067

■ 18.2231, 0.3646,
0.4067

■ 17.8501, 0.3793,
0.4280

■ 18.6330, 0.3495,
0.3844

■ 17.5096, 0.3931,
0.4475

■ 19.0789, 0.3344,
0.3619

■ 17.2006, 0.4054,
0.4644

■ 19.5633, 0.3197,
0.3397

■ 16.9207, 0.4157,
0.4778

■ 20.0877, 0.3058,
0.3184

■ 16.6674, 0.4236,
0.4873

■ 20.6534, 0.2927,
0.2983

■ 16.4368, 0.4292,
0.4929

■ 21.2618, 0.2806,
0.2794

■ 16.3239, 0.4318,
0.4954

■ 21.9142, 0.2695,
0.2620

■ 22.6116, 0.2594,
0.2460

■ 23.3554, 0.2501,
0.2314

Harmonies

Analogous

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



18.2231, 0.3935, 0.3869



18.2231, 0.3646, 0.4067



18.2231, 0.3229, 0.4041

Triad

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



18.2231, 0.3646, 0.4067



18.2231, 0.2325, 0.2934



18.2231, 0.3426, 0.2876

Complementary

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



18.2231, 0.3646, 0.4067



9.3312, 0.2538, 0.2372

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.



18.2231, 0.2976, 0.2657



18.2231, 0.3646, 0.4067



18.2231, 0.2367, 0.2669

Square

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



18.2231, 0.3646, 0.4067



18.2231, 0.2477, 0.3337



18.2231, 0.2596, 0.2579



18.2231, 0.3812, 0.3192

Rectangle

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



18.2231, 0.3646, 0.4067



18.2231, 0.2938, 0.3880



18.2231, 0.2596, 0.2579



18.2231, 0.3275, 0.2790

Sweetspot

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



18.2239, 0.3646, 0.4067



34.5458, 0.3274, 0.3513



10.5860, 0.3839, 0.3218



8.1125, 0.3291, 0.3539



63.8283, 0.3127, 0.3290



8.3535, 0.3127, 0.3290

Same Dimension

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



18.2239, 0.3646, 0.4067



32.0707, 0.3765, 0.4240



17.7635, 0.3390, 0.4190



4.5878, 0.3257, 0.3487



16.8737, 0.4318, 0.4953



79.9680, 0.4325, 0.4948

Inverse Universe

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



9.3312, 0.2538, 0.2372



13.6228, 0.2379, 0.2119



9.7628, 0.2781, 0.2366



3.9349, 0.2994, 0.3085



1.6712, 0.1519, 0.0669



7.4846, 0.1509, 0.0633

Previews

White Background



This preview shows how the Yxy color 18.2231, 0.3646, 0.4067 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



This preview shows how the Yxy color 18.2231, 0.3646, 0.4067 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

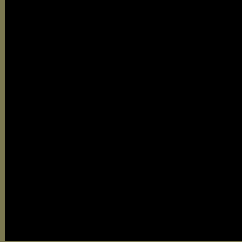
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

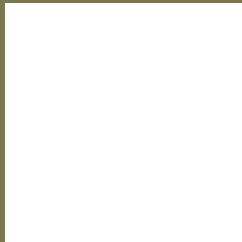
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 18.2231, 0.3646, 0.4067

Background



This preview shows how black text looks on a background with the Yxy color 18.2231, 0.3646, 0.4067.



This preview shows how white text looks on a background with the Yxy color 18.2231, 0.3646, 0.4067.

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

18.2231, 0.3646, 0.4067

Protanopia

18.1106, 0.3739, 0.4033

Deuteranopia

18.0671, 0.3931, 0.3865



Tritanopia

18.3059, 0.3186, 0.3124

Trichromacy



Original Color

18.2231, 0.3646, 0.4067

Protanomaly

18.1938, 0.3705, 0.4058

Deuteranomaly

18.1532, 0.3811, 0.3940

Tritanomaly

18.2409, 0.3354, 0.3462

Monochromacy



Original Color

18.2231, 0.3646, 0.4067

Achromatopsia

17.4647, 0.3127, 0.3290

Achromatomaly

17.6238, 0.3323, 0.3567

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.2231, 0.3646, 0.4067 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(123, 120, 80)` looks like.

```
.text, #text, p{  
    color:rgb(123, 120, 80)  
}
```

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(123, 120, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 120, 80) }
```

Border

The CSS property to change the border of an element to Yxy 18.2231, 0.3646, 0.4067 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(123, 120, 80) }
```

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

```
.border{ border-color:rgb(123, 120, 80) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 120, 80)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 120, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 120, 80);  
box-shadow:4px 4px 4px 4px rgb(123, 120,  
80) }
```


Background

The CSS property to change the background color of an element to Yxy 18.2231, 0.3646, 0.4067 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 120, 80) }
```

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

```
.background{ background-color: rgb(123,  
120, 80) }
```

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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