

Converting Colors

$Y_{xy}(18.2872, 0.4537, 0.3767)$

Have a look what the booklet for
Yxy(18.2872, 0.4537, 0.3767)
contains.

Yxy(18.2698, 0.4543, 0.3772)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(18.2698, 0.4543, 0.3772)

Conversions

Conversions Part 1

Format	Color
Hex	A86646
RGB	168, 102, 70
RGB Percent	66%, 40%, 27%
CMY	0.3412, 0.6000, 0.7255
CMYK	0.00, 0.39, 0.58, 0.34
HSL	20°, 41%, 47%
HSV	20°, 58%, 66%
XYZ	22.0042, 18.2698, 8.1614
YIQ	118.0860, 49.6080, 4.0400

Conversions

Conversions Part 2

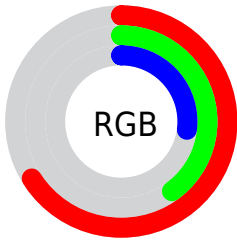
Format	Color
RYB	168, 118, 70
Decimal	11036230
CIELab	49.82, 23.30, 29.16
CIELCh	50, 37.325, 51.373
Yxy	18.2698, 0.4543, 0.3772
Android (android.graphics.Color)	4289226310 (0xFFA86646)
YUV	118.0860, -23.7064, 43.7746
Hunter-Lab	42.7432, 17.0911, 18.5994

Details

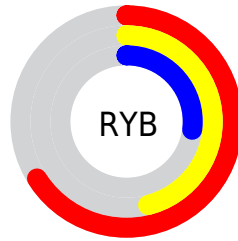
The Yxy color **18.2698, 0.4543, 0.3772** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **21.7334, 0.2288, 0.2703**, and the grayscale version is **18.2099, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.6119, 0.4215, 0.3702**, and **6.1533, 0.5108, 0.3844** is the 20% darker color. If you saturate the color by 10%, you get **16.0134, 0.4892, 0.3819**, and if you desaturate by 10%, it is **20.8909, 0.4217, 0.3701**.

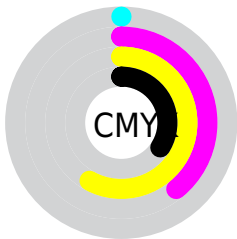
Distribution



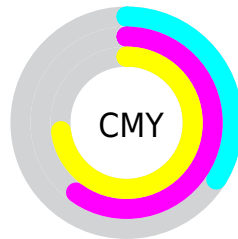
- Red (66%)
- Green (40%)
- Blue (27%)



- Red (66%)
- Yellow (46%)
- Blue (27%)



- Cyan (0%)
- Magenta (39%)
- Yellow (58%)
- Black (34%)





- Cyan (34%)
- Magenta (60%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.2698, 0.4543, 0.3772 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 18.2698, 0.4543, 0.3772 by changing the saturation by 10% instead.


 18.2698, 0.4543,
0.3772


 18.2698, 0.4543,
0.3772


242.3874, 0.3728,
0.3541


 11.1439, 0.4782,
0.3813


 40.4965, 0.4220,
0.3696

 6.1637, 0.5105,
0.3844

 56.3661, 0.4107,
0.3665

 2.9449, 0.5642,
0.3894

 75.9190, 0.4014,
0.3637

 1.1030, 0.6270,
0.3730

 99.5396, 0.3937,
0.3613

 0.0000, 1.0000,
0.0000

 127.6124, 0.3873,
0.3591

 0.0000, 0.0000,
0.0000

160.5217, 0.3817,

0.3572

198.6519, 0.3770,
0.3556

■ 18.2698, 0.4543,
0.3772

■ 18.2698, 0.4543,
0.3772

■ 16.0134, 0.4892,
0.3819

■ 20.8909, 0.4217,
0.3701

■ 14.1015, 0.5243,
0.3832

■ 23.8899, 0.3924,
0.3618

■ 12.5161, 0.5566,
0.3799

■ 27.2827, 0.3668,
0.3529

■ 11.2328, 0.5839,
0.3724

■ 31.0834, 0.3448,
0.3441

■ 11.0441, 0.5883,
0.3711

■ 35.3055, 0.3261,
0.3356

■ 39.9616, 0.3102,
0.3277

■ 45.0640, 0.2968,
0.3204

■ 50.6244, 0.2853,
0.3137

■ 56.6540, 0.2756,
0.3075

Harmonies

Analogous

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



18.2698, 0.4355, 0.3240



18.2698, 0.4543, 0.3772



18.2698, 0.4303, 0.4269

Triad

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



18.2698, 0.4543, 0.3772



18.2698, 0.2443, 0.3904



18.2698, 0.2420, 0.2212

Complementary

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



18.2698, 0.4543, 0.3772



21.7334, 0.2288, 0.2703

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.



18.2698, 0.2021, 0.2258



18.2698, 0.4543, 0.3772



18.2698, 0.2025, 0.3153

Square

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



18.2698, 0.4543, 0.3772



18.2698, 0.3074, 0.4478



18.2698, 0.1886, 0.2566



18.2698, 0.3049, 0.2392

Rectangle

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



18.2698, 0.4543, 0.3772



18.2698, 0.3962, 0.4510



18.2698, 0.1886, 0.2566



18.2698, 0.2258, 0.2200

Sweetspot

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



18.2707, 0.4543, 0.3772



57.1557, 0.3428, 0.3432



14.5097, 0.3650, 0.2318



12.1559, 0.3466, 0.3449



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



18.2707, 0.4543, 0.3772



27.9724, 0.4997, 0.3827



30.5876, 0.4084, 0.4435



7.9276, 0.3278, 0.3364



8.4258, 0.5865, 0.3725



0.2976, 0.5237, 0.4224

Inverse Universe

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



21.7334, 0.2288, 0.2703



34.7164, 0.2147, 0.2546



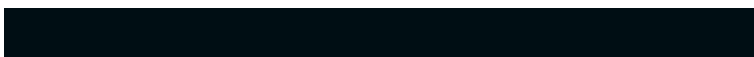
11.1032, 0.2087, 0.1771



8.1128, 0.2987, 0.3215



11.1711, 0.1946, 0.2206



0.3590, 0.2057, 0.2606

Previews

White Background



This preview shows how the Yxy color 18.2698, 0.4543, 0.3772 looks on a white background.

Color Contrast Check

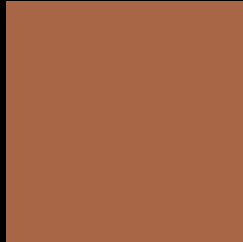
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.2698, 0.4543, 0.3772 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 18.2698, 0.4543, 0.3772

Background



This preview shows how black text looks on a background with the Yxy color 18.2698, 0.4543, 0.3772.



This preview shows how white text looks on a background with the Yxy color 18.2698, 0.4543, 0.3772.

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

18.2698, 0.4543, 0.3772

Protanopia

18.3826, 0.3782, 0.4101

Deuteranopia

18.2474, 0.4150, 0.4066



Tritanopia

18.3013, 0.4089, 0.3185

Trichromacy



Original Color

18.2698, 0.4543, 0.3772

Protanomaly

18.1443, 0.4048, 0.3977

Deuteranomaly

18.1393, 0.4286, 0.3951

Tritanomaly

18.1314, 0.4268, 0.3401

Monochromacy



Original Color

18.2698, 0.4543, 0.3772

Achromatopsia

18.1164, 0.3127, 0.3290

Achromatomaly

17.7622, 0.3599, 0.3494

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.2698, 0.4543, 0.3772 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(168, 102, 70)` looks like.

```
.text, #text, p{  
    color:rgb(168, 102, 70)  
}
```

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(168, 102, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 102, 70) }
```

Border

The CSS property to change the border of an element to Yxy 18.2698, 0.4543, 0.3772 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(168, 102, 70) }
```

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

```
.border{ border-color:rgb(168, 102, 70) }
```

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

Here you see how a box with a 4 pixel rgb(168, 102, 70) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 102, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 102, 70);  
box-shadow:4px 4px 4px 4px rgb(168, 102,  
70) }
```


Background

The CSS property to change the background color of an element to Yxy 18.2698, 0.4543, 0.3772 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 102, 70) }
```

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

```
.background{ background-color: rgb(168,  
102, 70) }
```

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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