

Converting Colors

$Y_{xy}(16.2153, 0.4963, 0.3930)$

Have a look what the booklet for
Yxy(16.2153, 0.4963, 0.3930)
contains.

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Color

Yxy(16.1686, 0.4970, 0.3930)

Conversions

Conversions Part 1

Format	Color
Hex	A85C2D
RGB	168, 92, 45
RGB Percent	66%, 36%, 18%
CMY	0.3412, 0.6392, 0.8235
CMYK	0.00, 0.45, 0.73, 0.34
HSL	23°, 58%, 42%
HSV	23°, 73%, 66%
XYZ	20.4473, 16.1686, 4.5256
YIQ	109.3660, 60.3830, 1.4950

Conversions

Conversions Part 2

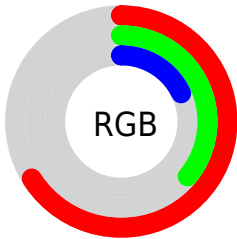
Format	Color
R_{YB}	168, 121, 45
Decimal	11033645
CIE _{Lab}	47.19, 27.20, 39.68
CIE _{LCh}	47, 48.108, 55.565
Yxy	16.1686, 0.4970, 0.3930
Android (android.graphics.Color)	4289223725 (0xFFA85C2D)
YUV	109.3660, -31.7324, 51.4220
Hunter-Lab	40.2102, 20.4013, 21.4742

Details

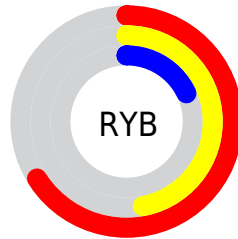
The Yxy color **16.1686, 0.4970, 0.3930** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **17.0529, 0.2093, 0.2382**, and the grayscale version is **15.4824, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.9292, 0.4567, 0.3851**, and **5.1809, 0.5630, 0.3912** is the 20% darker color. If you saturate the color by 10%, you get **14.3881, 0.5286, 0.3931**, and if you desaturate by 10%, it is **18.2487, 0.4643, 0.3887**.

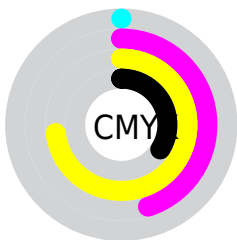
Distribution



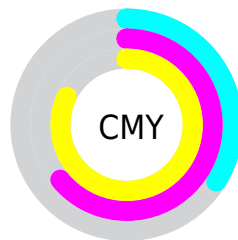
- Red (66%)
- Green (36%)
- Blue (18%)



- Red (66%)
- Yellow (47%)
- Blue (18%)



- Cyan (0%)
- Magenta (45%)
- Yellow (73%)
- Black (34%)





- Cyan (34%)
- Magenta (64%)
- Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.1686, 0.4970, 0.3930 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 16.1686, 0.4970, 0.3930 by changing the saturation by 10% instead.


 16.1686, 0.4970,
0.3930


 16.1686, 0.4970,
0.3930


 230.3345, 0.3914,
0.3648


 9.6435, 0.5260,
0.3954


 36.8907, 0.4560,
0.3852


 5.1633, 0.5659,
0.3955

 51.8564, 0.4413,
0.3814

 2.3434, 0.6157,
0.3843

 70.4046, 0.4291,
0.3779

 0.7965, 0.6626,
0.3374

 92.9195, 0.4191,
0.3747

 0.0000, 1.0000,
0.0000

 119.7855, 0.4105,
0.3718

 0.0000, 0.0000,
0.0000

 151.3871, 0.4032,

0.3692

188.1087, 0.3969,
0.3669

■ 16.1686, 0.4970,
0.3930

■ 16.1686, 0.4970,
0.3930

■ 14.3881, 0.5286,
0.3931

■ 18.2487, 0.4643,
0.3887

■ 12.8880, 0.5564,
0.3881

■ 20.6405, 0.4327,
0.3813

■ 12.0146, 0.5734,
0.3829

■ 23.3587, 0.4035,
0.3721

■ 26.4159, 0.3773,
0.3619

■ 29.8242, 0.3544,
0.3516

■ 33.5948, 0.3346,
0.3415

■ 37.7386, 0.3176,
0.3319

■ 42.2658, 0.3031,
0.3230

■ 47.1864, 0.2906,
0.3148

Harmonies

Analogous

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



16.1686, 0.4842, 0.3270



16.1686, 0.4970, 0.3930



16.1686, 0.4539, 0.4585

Triad

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



16.1686, 0.4970, 0.3930



16.1686, 0.2116, 0.3980



16.1686, 0.2295, 0.1937

Complementary

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



16.1686, 0.4970, 0.3930



17.0529, 0.2093, 0.2382

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.



16.1686, 0.1766, 0.1936



16.1686, 0.4970, 0.3930



16.1686, 0.1660, 0.2939

Square

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



16.1686, 0.4970, 0.3930



16.1686, 0.2887, 0.4872



16.1686, 0.1555, 0.2244



16.1686, 0.3138, 0.2196

Rectangle

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



16.1686, 0.4970, 0.3930



16.1686, 0.4051, 0.4930



16.1686, 0.1555, 0.2244



16.1686, 0.2082, 0.1907

Sweetspot

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



16.1695, 0.4970, 0.3930



54.6582, 0.3527, 0.3508



11.6275, 0.3961, 0.2230



11.5498, 0.3582, 0.3534



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.



16.1695, 0.4970, 0.3930



24.3136, 0.5470, 0.3905



30.8362, 0.4236, 0.4702



7.9949, 0.3277, 0.3377



9.1672, 0.5716, 0.3843



0.3222, 0.5114, 0.4321

Inverse Universe

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



17.0529, 0.2093, 0.2382



25.7671, 0.1952, 0.2144



6.7647, 0.1808, 0.1243



8.0431, 0.2987, 0.3202



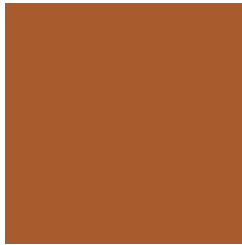
9.6794, 0.1892, 0.2010



0.3297, 0.2023, 0.2482

Previews

White Background



This preview shows how the Yxy color 16.1686, 0.4970, 0.3930 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 16.1686, 0.4970, 0.3930 looks on a black 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

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

Yxy 16.1686, 0.4970, 0.3930

Background



This preview shows how black text looks on a background with the Yxy color 16.1686, 0.4970, 0.3930.



This preview shows how white text looks on a background with the Yxy color 16.1686, 0.4970, 0.3930.

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

16.1686, 0.4970, 0.3930

Protanopia

16.4092, 0.4056, 0.4449

Deuteranopia

16.2509, 0.4441, 0.4381



Tritanopia

16.2646, 0.4368, 0.3204

Trichromacy



Original Color

16.1686, 0.4970, 0.3930

Protanomaly

15.9876, 0.4401, 0.4241

Deuteranomaly

16.1539, 0.4637, 0.4221

Tritanomaly

16.2126, 0.4614, 0.3486

Monochromacy



Original Color

16.1686, 0.4970, 0.3930

Achromatopsia

15.2926, 0.3127, 0.3290

Achromatomaly

15.1182, 0.3769, 0.3621

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.1686, 0.4970, 0.3930 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, 92, 45)` looks like.

```
.text, #text, p{  
    color:rgb(168, 92, 45)  
}
```

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, 92, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 92, 45) }
```

Border

The CSS property to change the border of an element to Yxy 16.1686, 0.4970, 0.3930 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, 92, 45) }
```

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

```
.border{ border-color:rgb(168, 92, 45) }
```

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

Here you see how a box with a 4 pixel rgb(168, 92, 45) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 92, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 92, 45);  
box-shadow:4px 4px 4px 4px rgb(168, 92,  
45) }
```


Background

The CSS property to change the background color of an element to Yxy 16.1686, 0.4970, 0.3930 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 92, 45) }
```

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

```
.background{ background-color: rgb(168, 92,  
45) }
```

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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