

Converting Colors

$Y_{xy}(18.2832, 0.4685, 0.4119)$

Have a look what the booklet for
Yxy(18.2832, 0.4685, 0.4119)
contains.

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Color

Yxy(18.3163, 0.4680, 0.4119)

Conversions

Conversions Part 1

Format	Color
Hex	A36A31
RGB	163, 106, 49
RGB Percent	64%, 42%, 19%
CMY	0.3608, 0.5843, 0.8080
CMYK	0.00, 0.35, 0.70, 0.36
HSL	30°, 54%, 42%
HSV	30°, 70%, 64%
XYZ	20.8109, 18.3163, 5.3406
YIQ	116.5450, 52.2690, -5.6430

Conversions

Conversions Part 2

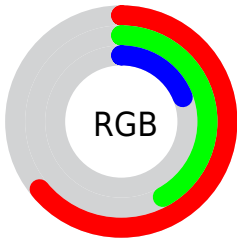
Format	Color
R_{YB}	163, 163, 49
Decimal	10709553
CIE _{Lab}	49.88, 17.41, 40.37
CIE _{LCh}	50, 43.964, 66.676
Yxy	18.3163, 0.4680, 0.4119
Android (android.graphics.Color)	4288899633 (0xFFA36A31)
YUV	116.5450, -33.2997, 40.7410
Hunter-Lab	42.7975, 11.9026, 22.5596

Details

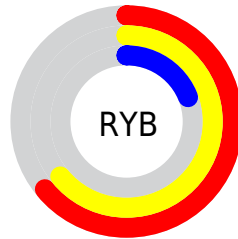
The Yxy color **18.3163, 0.4680, 0.4119** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **13.5942, 0.2061, 0.2151**, and the grayscale version is **17.7334, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.3679, 0.4344, 0.3978**, and **6.1519, 0.5219, 0.4238** is the 20% darker color. If you saturate the color by 10%, you get **16.6036, 0.4943, 0.4160**, and if you desaturate by 10%, it is **20.2401, 0.4409, 0.4038**.

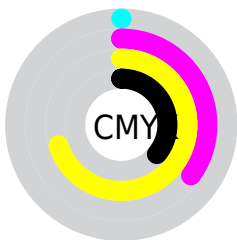
Distribution



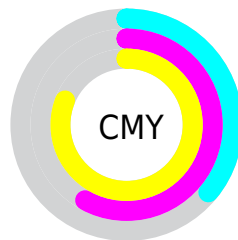
- Red (64%)
- Green (42%)
- Blue (19%)



- Red (64%)
- Yellow (64%)
- Blue (19%)



- Cyan (0%)
- Magenta (35%)
- Yellow (70%)
- Black (36%)





- Cyan (36%)
- Magenta (58%)
- Yellow (81%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.3163, 0.4680, 0.4119 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 18.3163, 0.4680, 0.4119 by changing the saturation by 10% instead.


 18.3163, 0.4680,
0.4119


 18.3163, 0.4680,
0.4119


242.6479, 0.3809,
0.3711


 11.1773, 0.4913,
0.4192


 40.5756, 0.4347,
0.3984


 6.1862, 0.5209,
0.4255

 56.4646, 0.4225,
0.3928

 2.9586, 0.5669,
0.4331

 76.0392, 0.4125,
0.3879

 1.1102, 0.5949,
0.4051

 99.6836, 0.4041,
0.3837

 0.0000, 1.0000,
0.0000

 127.7823, 0.3970,
0.3799

 0.0000, 0.0000,
0.0000

 160.7196, 0.3909,

0.3766

198.8800, 0.3855,
0.3737

■ 18.3163, 0.4680,
0.4119

■ 18.3163, 0.4680,
0.4119

■ 16.6036, 0.4943,
0.4160

■ 20.2401, 0.4409,
0.4038

■ 15.0892, 0.5181,
0.4152

■ 22.3813, 0.4144,
0.3929

■ 13.7563, 0.5392,
0.4100

■ 24.7491, 0.3896,
0.3804

■ 13.7508, 0.5393,
0.4100

■ 27.3514, 0.3668,
0.3672

■ 30.1955, 0.3465,
0.3540

■ 33.2883, 0.3285,
0.3411

■ 36.6364, 0.3127,
0.3290

■ 40.2462, 0.2988,
0.3176

■ 44.1237, 0.2868,
0.3070

Harmonies

Analogous

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



18.3163, 0.4746, 0.3515



18.3163, 0.4680, 0.4119



18.3163, 0.4179, 0.4642

Triad

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



18.3163, 0.4680, 0.4119



18.3163, 0.2043, 0.3548



18.3163, 0.2643, 0.2132

Complementary

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



18.3163, 0.4680, 0.4119



13.5942, 0.2061, 0.2151

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.



18.3163, 0.2050, 0.2044



18.3163, 0.4680, 0.4119



18.3163, 0.1740, 0.2724

Square

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



18.3163, 0.4680, 0.4119



18.3163, 0.2654, 0.4423



18.3163, 0.1748, 0.2223



18.3163, 0.3466, 0.2447

Rectangle

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



18.3163, 0.4680, 0.4119



18.3163, 0.3698, 0.4830



18.3163, 0.1748, 0.2223



18.3163, 0.2414, 0.2076

Sweetspot

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



18.3172, 0.4680, 0.4119



53.3267, 0.3492, 0.3559



11.0199, 0.4217, 0.2472



11.6716, 0.3544, 0.3593



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



18.3172, 0.4680, 0.4119



28.1769, 0.5081, 0.4162



34.1987, 0.4053, 0.4821



7.6440, 0.3273, 0.3403



10.7790, 0.5379, 0.4111



0.3210, 0.4850, 0.4531

Inverse Universe

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



13.5942, 0.2061, 0.2151



19.1679, 0.1889, 0.1853



5.4902, 0.1805, 0.1105



7.4174, 0.2987, 0.3175



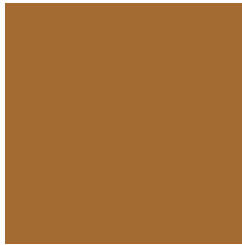
6.7727, 0.1780, 0.1608



0.2368, 0.1965, 0.2272

Previews

White Background



This preview shows how the Yxy color 18.3163, 0.4680, 0.4119 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 18.3163, 0.4680, 0.4119 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 18.3163, 0.4680, 0.4119

Background



This preview shows how black text looks on a background with the Yxy color 18.3163, 0.4680, 0.4119.



This preview shows how white text looks on a background with the Yxy color 18.3163, 0.4680, 0.4119.

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

18.3163, 0.4680, 0.4119

Protanopia

18.3562, 0.4073, 0.4462

Deuteranopia

18.3114, 0.4417, 0.4341



Tritanopia

18.3914, 0.4006, 0.3183

Trichromacy



Original Color

18.3163, 0.4680, 0.4119

Protanomaly

18.1222, 0.4289, 0.4326

Deuteranomaly

18.1376, 0.4511, 0.4251

Tritanomaly

18.2816, 0.4294, 0.3543

Monochromacy



Original Color

18.3163, 0.4680, 0.4119

Achromatopsia

17.7888, 0.3127, 0.3290

Achromatomaly

17.6513, 0.3687, 0.3683

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.3163, 0.4680, 0.4119 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(163, 106, 49)` looks like.

```
.text, #text, p{  
    color:rgb(163, 106, 49)  
}
```

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(163, 106, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 106, 49) }
```

Border

The CSS property to change the border of an element to Yxy 18.3163, 0.4680, 0.4119 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(163, 106, 49) }
```

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

```
.border{ border-color:rgb(163, 106, 49) }
```

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

Here you see how a box with a 4 pixel rgb(163, 106, 49) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 106, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 106, 49);  
box-shadow:4px 4px 4px 4px rgb(163, 106,  
49) }
```


Background

The CSS property to change the background color of an element to Yxy 18.3163, 0.4680, 0.4119 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 106, 49) }
```

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

```
.background{ background-color: rgb(163,  
106, 49) }
```

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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