

Converting Colors

$Y_{xy}(18.4752, 0.4353, 0.3754)$

Have a look what the booklet for
Yxy(18.4752, 0.4353, 0.3754)
contains.

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Color

Yxy(18.6164, 0.4358, 0.3763)

Conversions

Conversions Part 1

Format	Color
Hex	A36A4C
RGB	163, 106, 76
RGB Percent	64%, 42%, 30%
CMY	0.3609, 0.5843, 0.7019
CMYK	0.00, 0.35, 0.53, 0.36
HSL	21°, 36%, 47%
HSV	21°, 53%, 64%
XYZ	21.5600, 18.6164, 9.2958
YIQ	119.6230, 43.6020, 2.7540

Conversions

Conversions Part 2

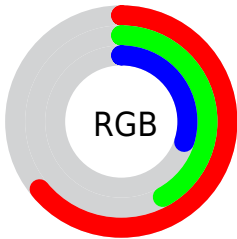
Format	Color
RYB	163, 122, 76
Decimal	10709580
CIELab	50.24, 19.44, 26.13
CIElCh	50, 32.569, 53.359
Yxy	18.6164, 0.4358, 0.3763
Android (android.graphics.Color)	4288899660 (0xFFA36A4C)
YUV	119.6230, -21.5061, 38.0416
Hunter-Lab	43.1467, 13.6879, 17.4289

Details

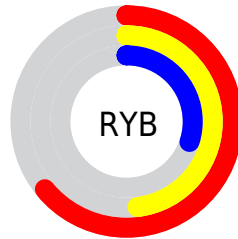
The Yxy color **18.6164, 0.4358, 0.3763** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **20.9485, 0.2345, 0.2733**, and the grayscale version is **18.7160, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.1500, 0.4074, 0.3689**, and **6.3132, 0.4858, 0.3860** is the 20% darker color. If you saturate the color by 10%, you get **16.3532, 0.4689, 0.3828**, and if you desaturate by 10%, it is **21.2128, 0.4054, 0.3680**.

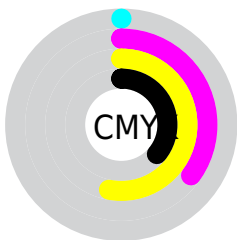
Distribution



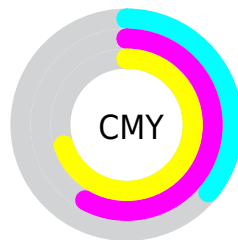
- Red (64%)
- Green (42%)
- Blue (30%)



- Red (64%)
- Yellow (48%)
- Blue (30%)



- Cyan (0%)
- Magenta (35%)
- Yellow (53%)
- Black (36%)





- Cyan (36%)
- Magenta (58%)
- Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.6164, 0.4358, 0.3763 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 18.6164, 0.4358, 0.3763 by changing the saturation by 10% instead.


 18.6164, 0.4358,
0.3763


 18.6164, 0.4358,
0.3763


244.3228, 0.3649,
0.3525


 11.3934, 0.4568,
0.3813


 41.0849, 0.4076,
0.3680


 6.3321, 0.4857,
0.3865


 57.0992, 0.3977,
0.3648


 3.0481, 0.5295,
0.3918

 76.8127, 0.3897,
0.3619

 1.1569, 0.6047,
0.3953

 100.6099, 0.3831,
0.3595

 0.0261, 0.9504,
0.0496

 128.8751, 0.3774,
0.3574

 0.0000, 0.0000,
0.0000

161.9927, 0.3726,

0.3556

200.3472, 0.3685,
0.3539

■ 18.6164, 0.4358,
0.3763

■ 18.6164, 0.4358,
0.3763

■ 16.3532, 0.4689,
0.3828

■ 21.2128, 0.4054,
0.3680

■ 14.4061, 0.5033,
0.3863

■ 24.1531, 0.3785,
0.3589

■ 12.7602, 0.5365,
0.3857

■ 27.4509, 0.3551,
0.3495

■ 11.3980, 0.5657,
0.3803

■ 31.1182, 0.3350,
0.3404

■ 10.6350, 0.5831,
0.3752

■ 35.1663, 0.3179,
0.3318

■ 39.6062, 0.3033,
0.3237

■ 44.4483, 0.2909,
0.3163

■ 49.7026, 0.2803,
0.3095

■ 55.3788, 0.2712,
0.3033

Harmonies

Analogous

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



18.6164, 0.4214, 0.3288



18.6164, 0.4358, 0.3763



18.6164, 0.4137, 0.4185

Triad

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



18.6164, 0.4358, 0.3763



18.6164, 0.2503, 0.3778



18.6164, 0.2540, 0.2340

Complementary

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



18.6164, 0.4358, 0.3763



20.9485, 0.2345, 0.2733

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.



18.6164, 0.2167, 0.2373



18.6164, 0.4358, 0.3763



18.6164, 0.2142, 0.3141

Square

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



18.6164, 0.4358, 0.3763



18.6164, 0.3052, 0.4283



18.6164, 0.2030, 0.2639



18.6164, 0.3105, 0.2512

Rectangle

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



18.6164, 0.4358, 0.3763



18.6164, 0.3834, 0.4371



18.6164, 0.2030, 0.2639



18.6164, 0.2391, 0.2327

Sweetspot

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



18.6173, 0.4358, 0.3763



53.7483, 0.3406, 0.3430



14.6754, 0.3611, 0.2410



11.7809, 0.3444, 0.3448



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.



18.6173, 0.4358, 0.3763



28.6174, 0.4751, 0.3837



29.6385, 0.3990, 0.4369



7.4670, 0.3277, 0.3368



8.3453, 0.5814, 0.3765



0.2608, 0.5155, 0.4289

Inverse Universe

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



20.9485, 0.2345, 0.2733



33.1606, 0.2202, 0.2583



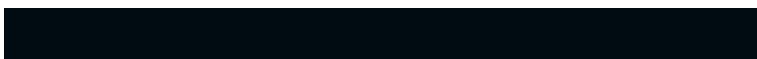
11.5781, 0.2177, 0.1897



7.5978, 0.2987, 0.3211



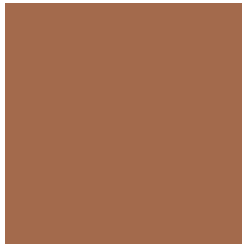
10.2763, 0.1929, 0.2143



0.2987, 0.2058, 0.2608

Previews

White Background



This preview shows how the Yxy color 18.6164, 0.4358, 0.3763 looks on a white background.

Color Contrast Check

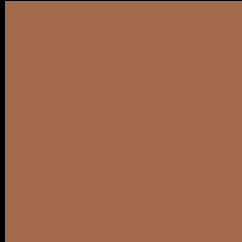
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the Yxy color 18.6164, 0.4358, 0.3763 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 18.6164, 0.4358, 0.3763

Background



This preview shows how black text looks on a background with the Yxy color 18.6164, 0.4358, 0.3763.



This preview shows how white text looks on a background with the Yxy color 18.6164, 0.4358, 0.3763.

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

18.6164, 0.4358, 0.3763

Protanopia

18.7880, 0.3718, 0.4004

Deuteranopia

18.7756, 0.4059, 0.4002



Tritanopia

18.7139, 0.3952, 0.3182

Trichromacy



Original Color

18.6164, 0.4358, 0.3763

Protanomaly

18.5914, 0.3943, 0.3913

Deuteranomaly

18.7717, 0.4169, 0.3910

Tritanomaly

18.5629, 0.4111, 0.3388

Monochromacy



Original Color

18.6164, 0.4358, 0.3763

Achromatopsia

18.7821, 0.3127, 0.3290

Achromatomaly

18.4952, 0.3547, 0.3493

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.6164, 0.4358, 0.3763 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, 76)` looks like.

```
.text, #text, p{  
    color:rgb(163, 106, 76)  
}
```

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, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 106, 76) }
```

Border

The CSS property to change the border of an element to Yxy 18.6164, 0.4358, 0.3763 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, 76) }
```

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

```
.border{ border-color:rgb(163, 106, 76) }
```

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, 76) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 106, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 106, 76);  
box-shadow:4px 4px 4px 4px rgb(163, 106,  
76) }
```


Background

The CSS property to change the background color of an element to Yxy 18.6164, 0.4358, 0.3763 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, 76) }
```

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

```
.background{ background-color: rgb(163,  
106, 76) }
```

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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