

Converting Colors

$Y_{xy}(18.2389, 0.4386, 0.3732)$

Have a look what the booklet for
Yxy(18.2389, 0.4386, 0.3732)
contains.

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Color

Yxy(18.2090, 0.4377, 0.3732)

Conversions

Conversions Part 1

Format	Color
Hex	A3684C
RGB	163, 104, 76
RGB Percent	64%, 41%, 30%
CMY	0.3609, 0.5921, 0.7020
CMYK	0.00, 0.36, 0.53, 0.36
HSL	19°, 36%, 47%
HSV	19°, 53%, 64%
XYZ	21.3561, 18.2090, 9.2265
YIQ	118.4490, 44.1520, 3.8000

Conversions

Conversions Part 2

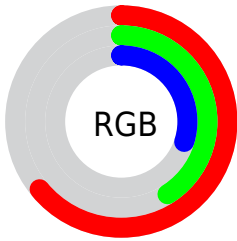
Format	Color
RYB	163, 117, 76
Decimal	10709068
CIELab	49.75, 20.57, 25.51
CIElCh	50, 32.774, 51.122
Yxy	18.2090, 0.4377, 0.3732
Android (android.graphics.Color)	4288899148 (0xFFA3684C)
YUV	118.4490, -20.9274, 39.0712
Hunter-Lab	42.6720, 14.6579, 17.0508

Details

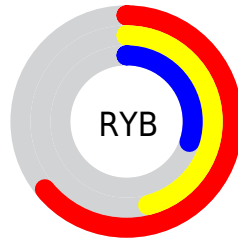
The Yxy color **18.2090, 0.4377, 0.3732** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **21.4983, 0.2352, 0.2771**, and the grayscale version is **18.3223, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.4732, 0.4085, 0.3666**, and **6.1154, 0.4896, 0.3816** is the 20% darker color. If you saturate the color by 10%, you get **15.9303, 0.4717, 0.3792**, and if you desaturate by 10%, it is **20.8384, 0.4066, 0.3655**.

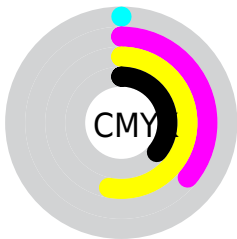
Distribution



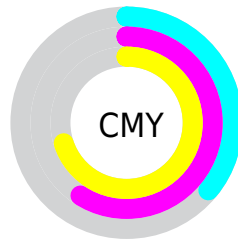
- Red (64%)
- Green (41%)
- Blue (30%)



- Red (64%)
- Yellow (46%)
- Blue (30%)



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





- Cyan (36%)
- Magenta (59%)
- Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.2090, 0.4377, 0.3732 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 18.2090, 0.4377, 0.3732 by changing the saturation by 10% instead.


 18.2090, 0.4377,
0.3732


 18.2090, 0.4377,
0.3732


242.0464, 0.3654,
0.3512


 11.1001, 0.4593,
0.3777


 40.3931, 0.4088,
0.3656


 6.1342, 0.4891,
0.3821

 56.2372, 0.3988,
0.3626

 2.9269, 0.5348,
0.3864

 75.7618, 0.3906,
0.3600

 1.0937, 0.6129,
0.3871

 99.3513, 0.3838,
0.3577

 0.0000, 1.0000,
0.0000

 127.3901, 0.3781,
0.3558

 0.0000, 0.0000,
0.0000

160.2627, 0.3733,

0.3541

198.3533, 0.3691,
0.3525

■ 18.2090, 0.4377,
0.3732

■ 18.2090, 0.4377,
0.3732

■ 15.9303, 0.4717,
0.3792

■ 20.8384, 0.4066,
0.3655

■ 13.9840, 0.5072,
0.3822

■ 23.8304, 0.3792,
0.3569

■ 12.3539, 0.5415,
0.3813

■ 27.1996, 0.3554,
0.3482

■ 11.0211, 0.5714,
0.3756

■ 30.9589, 0.3351,
0.3397

■ 10.2847, 0.5890,
0.3705

■ 35.1208, 0.3179,
0.3316

■ 39.6969, 0.3033,
0.3241

■ 44.6985, 0.2909,
0.3172

■ 50.1364, 0.2804,
0.3108

■ 56.0212, 0.2714,
0.3051

Harmonies

Analogous

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



18.2090, 0.4203, 0.3252



18.2090, 0.4377, 0.3732



18.2090, 0.4178, 0.4168

Triad

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



18.2090, 0.4377, 0.3732



18.2090, 0.2531, 0.3831



18.2090, 0.2497, 0.2324

Complementary

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



18.2090, 0.4377, 0.3732



21.4983, 0.2352, 0.2771

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.



18.2090, 0.2137, 0.2373



18.2090, 0.4377, 0.3732



18.2090, 0.2149, 0.3184

Square

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



18.2090, 0.4377, 0.3732



18.2090, 0.3096, 0.4323



18.2090, 0.2016, 0.2660



18.2090, 0.3057, 0.2483

Rectangle

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



18.2090, 0.4377, 0.3732



18.2090, 0.3882, 0.4370



18.2090, 0.2016, 0.2660



18.2090, 0.2351, 0.2316

Sweetspot

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



18.2099, 0.4377, 0.3732



53.4141, 0.3407, 0.3421



14.7149, 0.3588, 0.2390



11.6984, 0.3446, 0.3438



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.



18.2099, 0.4377, 0.3732



27.8599, 0.4781, 0.3800



29.1841, 0.4002, 0.4350



7.4411, 0.3277, 0.3363



8.0699, 0.5874, 0.3718



0.2520, 0.5209, 0.4246

Inverse Universe

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



21.4983, 0.2352, 0.2771



34.2935, 0.2214, 0.2632



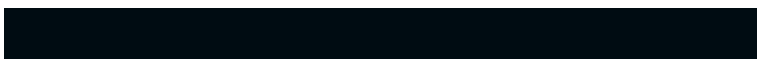
11.8252, 0.2182, 0.1924



7.6247, 0.2987, 0.3216



10.8910, 0.1951, 0.2224



0.3086, 0.2071, 0.2656

Previews

White Background



This preview shows how the Yxy color 18.2090, 0.4377, 0.3732 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 18.2090, 0.4377, 0.3732 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

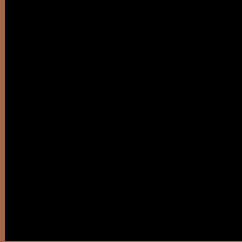
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.2090, 0.4377, 0.3732

Background



This preview shows how black text looks on a background with the Yxy color 18.2090, 0.4377, 0.3732.



This preview shows how white text looks on a background with the Yxy color 18.2090, 0.4377, 0.3732.

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

18.2090, 0.4377, 0.3732

Protanopia

18.3920, 0.3696, 0.3994

Deuteranopia

18.1443, 0.4048, 0.3977



Tritanopia

18.1752, 0.3979, 0.3182

Trichromacy



Original Color

18.2090, 0.4377, 0.3732

Protanomaly

18.2765, 0.3936, 0.3899

Deuteranomaly

18.1439, 0.4159, 0.3885

Tritanomaly

18.0444, 0.4126, 0.3372

Monochromacy



Original Color

18.2090, 0.4377, 0.3732

Achromatopsia

18.1164, 0.3127, 0.3290

Achromatomaly

17.8579, 0.3540, 0.3477

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.2090, 0.4377, 0.3732 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, 104, 76)` looks like.

```
.text, #text, p{  
    color:rgb(163, 104, 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, 104, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 104, 76) }
```

Border

The CSS property to change the border of an element to Yxy 18.2090, 0.4377, 0.3732 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, 104, 76) }
```

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

```
.border{ border-color:rgb(163, 104, 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, 104, 76)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 104, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 104, 76);  
box-shadow:4px 4px 4px 4px rgb(163, 104,  
76) }
```


Background

The CSS property to change the background color of an element to Yxy 18.2090, 0.4377, 0.3732 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 104, 76) }
```

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

```
.background{ background-color: rgb(163,  
104, 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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