

Converting Colors

$Y_{xy}(21.8363, 0.4733, 0.3898)$

Have a look what the booklet for
Yxy(21.8363, 0.4733, 0.3898)
contains.

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Color

Yxy(21.8363, 0.4733, 0.3898)

Conversions

Conversions Part 1

Format	Color
Hex	B96E40
RGB	185, 110, 64
RGB Percent	73%, 43%, 25%
CMY	0.2744, 0.5687, 0.7490
CMYK	0.00, 0.41, 0.65, 0.27
HSL	23°, 49%, 49%
HSV	23°, 65%, 73%
XYZ	26.5139, 21.8363, 7.6690
YIQ	127.1810, 59.4660, 1.5940

Conversions

Conversions Part 2

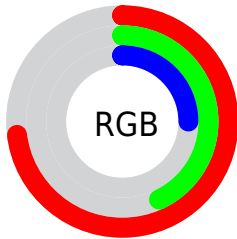
Format	Color
RYB	185, 138, 64
Decimal	12152384
CIELab	53.85, 25.61, 37.84
CIElCh	54, 45.692, 55.911
Yxy	21.8363, 0.4733, 0.3898
Android (android.graphics.Color)	4290342464 (0xFFB96E40)
YUV	127.1810, -31.1482, 50.7073
Hunter-Lab	46.7293, 19.5034, 22.9801

Details

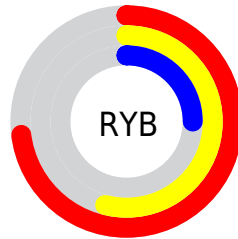
The Yxy color **21.8363, 0.4733, 0.3898** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **23.0728, 0.2175, 0.2495**, and the grayscale version is **21.3833, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.4454, 0.4398, 0.3814**, and **7.8900, 0.5285, 0.3963** is the 20% darker color. If you saturate the color by 10%, you get **19.3434, 0.5063, 0.3931**, and if you desaturate by 10%, it is **24.7219, 0.4409, 0.3831**.

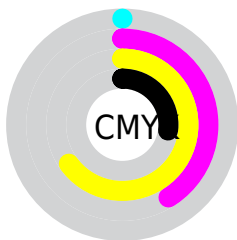
Distribution



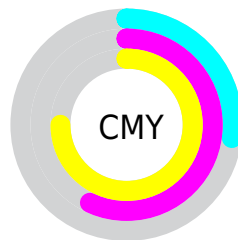
- Red (73%)
- Green (43%)
- Blue (25%)



- Red (73%)
- Yellow (54%)
- Blue (25%)



- Cyan (0%)
- Magenta (41%)
- Yellow (65%)
- Black (27%)




- Cyan (27%)
- Magenta (57%)
- Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 21.8363, 0.4733, 0.3898 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 21.8363, 0.4733, 0.3898 by changing the saturation by 10% instead.

 21.8363, 0.4733,
0.3898


 21.8363, 0.4733,
0.3898


261.6902, 0.3843,
0.3624


 13.7367, 0.4972,
0.3938


 46.4753, 0.4393,
0.3814


 7.9377, 0.5280,
0.3963


 63.7834, 0.4270,
0.3777

 4.0551, 0.5771,
0.4002

 84.9299, 0.4167,
0.3744

 1.7045, 0.6210,
0.3790

 110.2990, 0.4082,
0.3714

 0.4265, 0.7102,
0.2898

 140.2752, 0.4008,
0.3688

 0.0000, 0.0000,
0.0000

 175.2429, 0.3945,

0.3664

215.5864, 0.3891,
0.3643

■ 21.8363, 0.4733,
0.3898

■ 21.8363, 0.4733,
0.3898

■ 19.3434, 0.5063,
0.3931

■ 24.7219, 0.4409,
0.3831

■ 17.2203, 0.5374,
0.3917

■ 28.0146, 0.4107,
0.3742

■ 15.4463, 0.5640,
0.3852

■ 31.7320, 0.3835,
0.3642

■ 14.7356, 0.5753,
0.3814

■ 35.8897, 0.3596,
0.3539

■ 40.5023, 0.3389,
0.3437

■ 45.5838, 0.3212,
0.3340

■ 51.1474, 0.3060,
0.3249

■ 57.2058, 0.2931,
0.3165

■ 63.7714, 0.2820,
0.3088

Harmonies

Analogous

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



21.8363, 0.4609, 0.3303



21.8363, 0.4733, 0.3898



21.8363, 0.4376, 0.4458

Triad

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



21.8363, 0.4733, 0.3898



21.8363, 0.2248, 0.3870



21.8363, 0.2411, 0.2092

Complementary

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



21.8363, 0.4733, 0.3898



23.0728, 0.2175, 0.2495

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.



21.8363, 0.1928, 0.2096



21.8363, 0.4733, 0.3898



21.8363, 0.1834, 0.2997

Square

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



21.8363, 0.4733, 0.3898



21.8363, 0.2932, 0.4615



21.8363, 0.1734, 0.2381



21.8363, 0.3155, 0.2327

Rectangle

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



21.8363, 0.4733, 0.3898



21.8363, 0.3955, 0.4727



21.8363, 0.1734, 0.2381



21.8363, 0.2218, 0.2065

Sweetspot

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



21.8374, 0.4733, 0.3898



68.3487, 0.3487, 0.3487



15.8982, 0.3845, 0.2296



14.2448, 0.3546, 0.3515



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



21.8374, 0.4733, 0.3898



33.0855, 0.5187, 0.3931



39.0231, 0.4147, 0.4609



9.5565, 0.3278, 0.3377



10.1614, 0.5730, 0.3832



0.4791, 0.5246, 0.4217

Inverse Universe

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



23.0728, 0.2175, 0.2495



35.2737, 0.2031, 0.2292



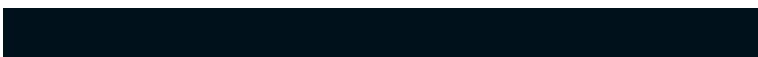
10.3527, 0.1929, 0.1452



9.6218, 0.2985, 0.3201



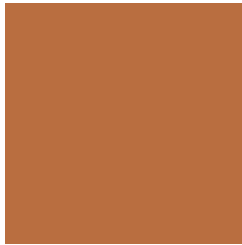
10.8330, 0.1892, 0.2013



0.4973, 0.1994, 0.2379

Previews

White Background



This preview shows how the Yxy color 21.8363, 0.4733, 0.3898 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 21.8363, 0.4733, 0.3898 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

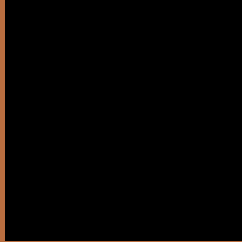
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.8363, 0.4733, 0.3898

Background



This preview shows how black text looks on a background with the Yxy color 21.8363, 0.4733, 0.3898.



This preview shows how white text looks on a background with the Yxy color 21.8363, 0.4733, 0.3898.

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

21.8363, 0.4733, 0.3898

Protanopia

21.8935, 0.3946, 0.4296

Deuteranopia

21.8738, 0.4310, 0.4242



Tritanopia

21.7618, 0.4183, 0.3182

Trichromacy



Original Color

21.8363, 0.4733, 0.3898

Protanomaly

21.6055, 0.4236, 0.4140

Deuteranomaly

21.6295, 0.4465, 0.4111

Tritanomaly

21.6991, 0.4401, 0.3446

Monochromacy



Original Color

21.8363, 0.4733, 0.3898

Achromatopsia

21.2231, 0.3127, 0.3290

Achromatomaly

20.9701, 0.3682, 0.3583

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.8363, 0.4733, 0.3898 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(185, 110, 64)` looks like.

```
.text, #text, p{  
    color:rgb(185, 110, 64)  
}
```

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(185, 110, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 110, 64) }
```

Border

The CSS property to change the border of an element to Yxy 21.8363, 0.4733, 0.3898 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(185, 110, 64) }
```

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

```
.border{ border-color:rgb(185, 110, 64) }
```

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

Here you see how a box with a 4 pixel `rgb(185, 110, 64)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 110, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 110, 64);  
box-shadow:4px 4px 4px 4px rgb(185, 110,  
64) }
```


Background

The CSS property to change the background color of an element to Yxy 21.8363, 0.4733, 0.3898 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 110, 64) }
```

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

```
.background{ background-color: rgb(185,  
110, 64) }
```

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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