

Converting Colors

$Y_{xy}(21.3977, 0.4710, 0.3797)$

Have a look what the booklet for
Yxy(21.3977, 0.4710, 0.3797)
contains.

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Color

Yxy(21.3842, 0.4720, 0.3797)

Conversions

Conversions Part 1

Format	Color
Hex	BA6B45
RGB	186, 107, 69
RGB Percent	73%, 42%, 27%
CMY	0.2706, 0.5804, 0.7295
CMYK	0.00, 0.42, 0.63, 0.27
HSL	19°, 46%, 50%
HSV	19°, 63%, 73%
XYZ	26.5824, 21.3842, 8.3521
YIQ	126.2890, 59.2820, 4.9300

Conversions

Conversions Part 2

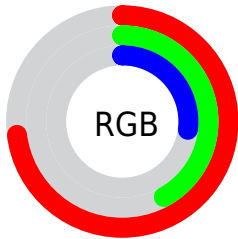
Format	Color
RYB	186, 125, 69
Decimal	12217157
CIELab	53.37, 27.98, 34.62
CIELCh	53, 44.516, 51.052
Yxy	21.3842, 0.4720, 0.3797
Android (android.graphics.Color)	4290407237 (0xFFBA6B45)
YUV	126.2890, -28.2435, 52.3665
Hunter-Lab	46.2431, 21.6838, 21.6616

Details

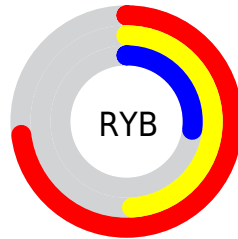
The Yxy color **21.3842, 0.4720, 0.3797** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **25.9827, 0.2230, 0.2646**, and the grayscale version is **21.0504, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.6971, 0.4381, 0.3730**, and **7.6772, 0.5290, 0.3842** is the 20% darker color. If you saturate the color by 10%, you get **18.7585, 0.5077, 0.3828**, and if you desaturate by 10%, it is **24.4647, 0.4377, 0.3736**.

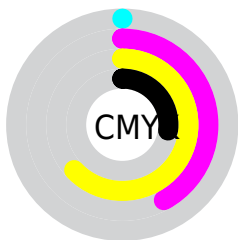
Distribution



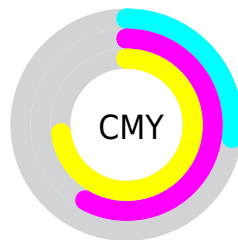
- Red (73%)
- Green (42%)
- Blue (27%)



- Red (73%)
- Yellow (49%)
- Blue (27%)



- Cyan (0%)
- Magenta (42%)
- Yellow (63%)
- Black (27%)




- Cyan (27%)
- Magenta (58%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.3842, 0.4720, 0.3797 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 21.3842, 0.4720, 0.3797 by changing the saturation by 10% instead.


 21.3842, 0.4720,
0.3797


 21.3842, 0.4720,
0.3797


259.3133, 0.3829,
0.3574


 13.4051, 0.4966,
0.3827

 45.7261, 0.4376,
0.3731


 7.7081, 0.5287,
0.3840


 62.8577, 0.4253,
0.3700


 3.9087, 0.5770,
0.3840

 83.8089, 0.4151,
0.3673

 1.6226, 0.6338,
0.3662

 108.9642, 0.4065,
0.3649

 0.3728, 0.7385,
0.2615

 138.7078, 0.3993,
0.3627

 0.0000, 0.0000,
0.0000

173.4243, 0.3930,

0.3607

213.4980, 0.3876,
0.3589

■ 21.3842, 0.4720,
0.3797

■ 21.3842, 0.4720,
0.3797

■ 18.7585, 0.5077,
0.3828

■ 24.4647, 0.4377,
0.3736

■ 16.5610, 0.5421,
0.3817

■ 28.0182, 0.4064,
0.3658

■ 14.7669, 0.5720,
0.3758

■ 32.0658, 0.3788,
0.3571

■ 13.7183, 0.5900,
0.3697

■ 36.6261, 0.3549,
0.3482

■ 41.7170, 0.3345,
0.3395

■ 47.3551, 0.3172,
0.3313

■ 53.5567, 0.3026,
0.3237

■ 60.3371, 0.2902,
0.3167

■ 67.7110, 0.2797,
0.3102

Harmonies

Analogous

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



21.3842, 0.4512, 0.3213



21.3842, 0.4720, 0.3797



21.3842, 0.4439, 0.4360

Triad

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



21.3842, 0.4720, 0.3797



21.3842, 0.2359, 0.4000



21.3842, 0.2327, 0.2094

Complementary

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



21.3842, 0.4720, 0.3797



25.9827, 0.2230, 0.2646

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.



21.3842, 0.1897, 0.2141



21.3842, 0.4720, 0.3797



21.3842, 0.1900, 0.3132

Square

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



21.3842, 0.4720, 0.3797



21.3842, 0.3061, 0.4659



21.3842, 0.1751, 0.2474



21.3842, 0.3024, 0.2290

Rectangle

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



21.3842, 0.4720, 0.3797



21.3842, 0.4053, 0.4652



21.3842, 0.1751, 0.2474



21.3842, 0.2152, 0.2081

Sweetspot

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



21.3853, 0.4720, 0.3797



69.5946, 0.3472, 0.3450



16.8612, 0.3713, 0.2252



14.7589, 0.3533, 0.3475



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



21.3853, 0.4720, 0.3797



32.1771, 0.5229, 0.3829



37.6182, 0.4162, 0.4512



9.4761, 0.3280, 0.3365



9.3512, 0.5876, 0.3716



0.4454, 0.5362, 0.4124

Inverse Universe

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



25.9827, 0.2230, 0.2646



40.9598, 0.2088, 0.2469



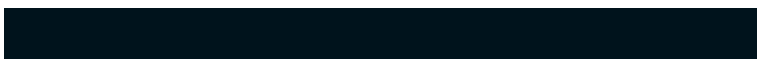
12.1946, 0.1995, 0.1621



9.7053, 0.2985, 0.3214



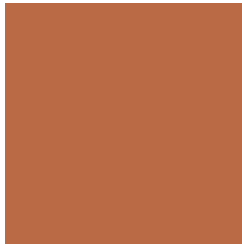
12.4893, 0.1947, 0.2207



0.5476, 0.2033, 0.2519

Previews

White Background



This preview shows how the Yxy color 21.3842, 0.4720, 0.3797 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 21.3842, 0.4720, 0.3797 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

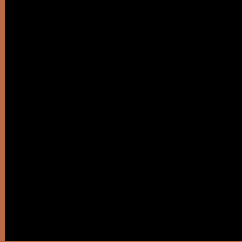
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.3842, 0.4720, 0.3797

Background



This preview shows how black text looks on a background with the Yxy color 21.3842, 0.4720, 0.3797.



This preview shows how white text looks on a background with the Yxy color 21.3842, 0.4720, 0.3797.

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

21.3842, 0.4720, 0.3797

Protanopia

21.5356, 0.3865, 0.4196

Deuteranopia

21.4805, 0.4244, 0.4173



Tritanopia

21.4257, 0.4252, 0.3197

Trichromacy



Original Color

21.3842, 0.4720, 0.3797

Protanomaly

21.0821, 0.4187, 0.4044

Deuteranomaly

21.4527, 0.4423, 0.4033

Tritanomaly

21.4001, 0.4443, 0.3431

Monochromacy



Original Color

21.3842, 0.4720, 0.3797

Achromatopsia

20.8637, 0.3127, 0.3290

Achromatomaly

20.5095, 0.3678, 0.3532

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.3842, 0.4720, 0.3797 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(186, 107, 69)` looks like.

```
.text, #text, p{  
    color:rgb(186, 107, 69)  
}
```

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(186, 107, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 107, 69) }
```

Border

The CSS property to change the border of an element to Yxy 21.3842, 0.4720, 0.3797 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(186, 107, 69) }
```

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

```
.border{ border-color:rgb(186, 107, 69) }
```

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

Here you see how a box with a 4 pixel rgb(186, 107, 69) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 107, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 107, 69);  
box-shadow:4px 4px 4px 4px rgb(186, 107,  
69) }
```


Background

The CSS property to change the background color of an element to Yxy 21.3842, 0.4720, 0.3797 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 107, 69) }
```

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

```
.background{ background-color: rgb(186,  
107, 69) }
```

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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