

Converting Colors

$Y_{xy}(21.2374, 0.4683, 0.3807)$

Have a look what the booklet for
Yxy(21.2374, 0.4683, 0.3807)
contains.

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Color

Yxy(21.3451, 0.4686, 0.3817)

Conversions

Conversions Part 1

Format	Color
Hex	B86C45
RGB	184, 108, 69
RGB Percent	72%, 42%, 27%
CMY	0.2784, 0.5765, 0.7294
CMYK	0.00, 0.41, 0.62, 0.28
HSL	20°, 45%, 50%
HSV	20°, 62%, 72%
XYZ	26.2046, 21.3451, 8.3714
YIQ	126.2780, 57.8150, 3.9830

Conversions

Conversions Part 2

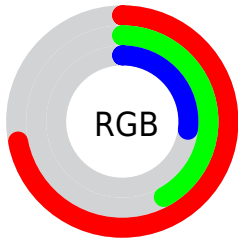
Format	Color
RYB	184, 128, 69
Decimal	12086341
CIELab	53.33, 26.61, 34.48
CIElCh	53, 43.555, 52.344
Yxy	21.3451, 0.4686, 0.3817
Android (android.graphics.Color)	4290276421 (0xFFB86C45)
YUV	126.2780, -28.2381, 50.6222
Hunter-Lab	46.2008, 20.3922, 21.5974

Details

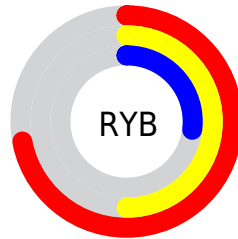
The Yxy color **21.3451, 0.4686, 0.3817** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **24.9817, 0.2229, 0.2622**, and the grayscale version is **21.0480, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.6827, 0.4357, 0.3745**, and **7.6254, 0.5244, 0.3873** is the 20% darker color. If you saturate the color by 10%, you get **18.7631, 0.5035, 0.3852**, and if you desaturate by 10%, it is **24.3580, 0.4350, 0.3752**.

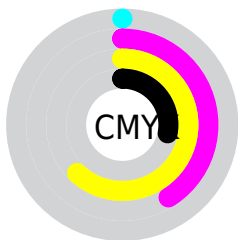
Distribution



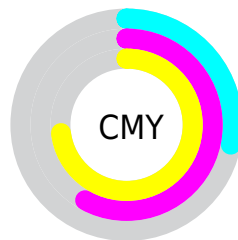
- Red (72%)
- Green (42%)
- Blue (27%)



- Red (72%)
- Yellow (50%)
- Blue (27%)



- Cyan (0%)
- Magenta (41%)
- Yellow (62%)
- Black (28%)





- Cyan (28%)
- Magenta (58%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.3451, 0.4686, 0.3817 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 21.3451, 0.4686, 0.3817 by changing the saturation by 10% instead.


 21.3451, 0.4686,
0.3817

 21.3451, 0.4686,
0.3817


259.1069, 0.3814,
0.3580


 13.3765, 0.4927,
0.3852


 45.6612, 0.4349,
0.3745


 7.6883, 0.5242,
0.3872


 62.7774, 0.4228,
0.3713


 3.8962, 0.5717,
0.3884

 83.7117, 0.4128,
0.3684

 1.6156, 0.6277,
0.3723

 108.8483, 0.4045,
0.3658

 0.3681, 0.7328,
0.2672

 138.5718, 0.3974,
0.3635

 0.0000, 0.0000,
0.0000

173.2664, 0.3913,

0.3615

213.3167, 0.3860,
0.3596

■ 21.3451, 0.4686,
0.3817

■ 21.3451, 0.4686,
0.3817

■ 18.7631, 0.5035,
0.3852

■ 24.3580, 0.4350,
0.3752

■ 16.5872, 0.5374,
0.3846

■ 27.8184, 0.4044,
0.3669

■ 14.7946, 0.5671,
0.3791

■ 31.7457, 0.3772,
0.3578

■ 13.6782, 0.5862,
0.3727

■ 36.1573, 0.3537,
0.3486

■ 41.0696, 0.3336,
0.3396

■ 46.4982, 0.3166,
0.3310

■ 52.4579, 0.3021,
0.3231

■ 58.9631, 0.2897,
0.3158

■ 66.0274, 0.2792,
0.3092

Harmonies

Analogous

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



21.3451, 0.4502, 0.3241



21.3451, 0.4686, 0.3817



21.3451, 0.4395, 0.4365

Triad

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



21.3451, 0.4686, 0.3817



21.3451, 0.2350, 0.3948



21.3451, 0.2367, 0.2119

Complementary

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



21.3451, 0.4686, 0.3817



24.9817, 0.2229, 0.2622

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.



21.3451, 0.1931, 0.2154



21.3451, 0.4686, 0.3817



21.3451, 0.1910, 0.3103

Square

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



21.3451, 0.4686, 0.3817



21.3451, 0.3033, 0.4609



21.3451, 0.1775, 0.2471



21.3451, 0.3061, 0.2321

Rectangle

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



21.3451, 0.4686, 0.3817



21.3451, 0.4011, 0.4640



21.3451, 0.1775, 0.2471



21.3451, 0.2191, 0.2102

Sweetspot

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



21.3462, 0.4686, 0.3817



68.2703, 0.3470, 0.3457



16.5139, 0.3738, 0.2281



14.1904, 0.3530, 0.3483



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.



21.3462, 0.4686, 0.3817



32.4439, 0.5166, 0.3856



37.4721, 0.4139, 0.4526



9.4967, 0.3279, 0.3368



9.5458, 0.5840, 0.3745



0.4540, 0.5331, 0.4149

Inverse Universe

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



24.9817, 0.2229, 0.2622



39.3698, 0.2088, 0.2445



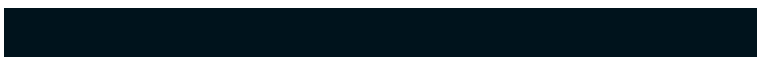
11.7355, 0.1996, 0.1603



9.6838, 0.2985, 0.3211



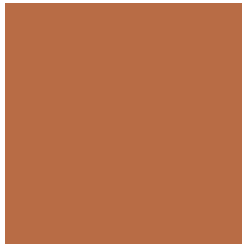
12.0476, 0.1933, 0.2157



0.5344, 0.2023, 0.2484

Previews

White Background



This preview shows how the Yxy color 21.3451, 0.4686, 0.3817 looks on a white background.

Color Contrast Check

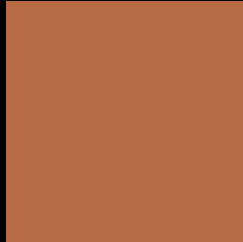
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.3451, 0.4686, 0.3817 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 21.3451, 0.4686, 0.3817

Background



This preview shows how black text looks on a background with the Yxy color 21.3451, 0.4686, 0.3817.



This preview shows how white text looks on a background with the Yxy color 21.3451, 0.4686, 0.3817.

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

21.3451, 0.4686, 0.3817

Protanopia

21.5356, 0.3865, 0.4196

Deuteranopia

21.4805, 0.4244, 0.4173



Tritanopia

21.3911, 0.4206, 0.3195

Trichromacy



Original Color

21.3451, 0.4686, 0.3817

Protanomaly

21.2237, 0.4165, 0.4064

Deuteranomaly

21.3433, 0.4410, 0.4038

Tritanomaly

21.3685, 0.4397, 0.3433

Monochromacy



Original Color

21.3451, 0.4686, 0.3817

Achromatopsia

20.8637, 0.3127, 0.3290

Achromatomaly

20.4166, 0.3665, 0.3533

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.3451, 0.4686, 0.3817 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(184, 108, 69)` looks like.

```
.text, #text, p{  
    color:rgb(184, 108, 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(184, 108, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 108, 69) }
```

Border

The CSS property to change the border of an element to Yxy 21.3451, 0.4686, 0.3817 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(184, 108, 69) }
```

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

```
.border{ border-color:rgb(184, 108, 69) }
```

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

Here you see how a box with a 4 pixel rgb(184, 108, 69) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 108, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 108, 69);  
box-shadow:4px 4px 4px 4px rgb(184, 108,  
69) }
```


Background

The CSS property to change the background color of an element to Yxy 21.3451, 0.4686, 0.3817 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 108, 69) }
```

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

```
.background{ background-color: rgb(184,  
108, 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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