

Converting Colors

$Y_{xy}(21.4905, 0.4810, 0.3911)$

Have a look what the booklet for
Yxy(21.4905, 0.4810, 0.3911)
contains.

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Color

Yxy(21.4905, 0.4810, 0.3911)

Conversions

Conversions Part 1

Format	Color
Hex	BA6C3C
RGB	186, 108, 60
RGB Percent	73%, 42%, 24%
CMY	0.2705, 0.5765, 0.7648
CMYK	0.00, 0.42, 0.68, 0.27
HSL	23°, 51%, 48%
HSV	23°, 68%, 73%
XYZ	26.4304, 21.4905, 7.0280
YIQ	125.8500, 61.8960, 1.6080

Conversions

Conversions Part 2

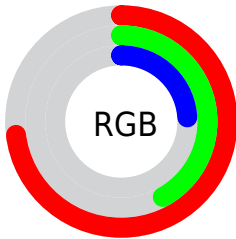
Format	Color
R _Y B	186, 138, 60
Decimal	12217404
CIE Lab	53.48, 26.86, 39.57
CIE LCh	53, 47.827, 55.828
Yxy	21.4905, 0.4810, 0.3911
Android (android.graphics.Color)	4290407484 (0xFFBA6C3C)
YUV	125.8500, -32.4641, 52.7516
Hunter-Lab	46.3578, 20.6435, 23.4620

Details

The Yxy color **21.4905, 0.4810, 0.3911** is a dark color, and the websafe version is hex **CC6633**. A complement of this color would be **22.6844, 0.2147, 0.2458**, and the grayscale version is **20.9071, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.8386, 0.4457, 0.3830**, and **7.7437, 0.5384, 0.3958** is the 20% darker color. If you saturate the color by 10%, you get **19.0577, 0.5137, 0.3934**, and if you desaturate by 10%, it is **24.3155, 0.4483, 0.3851**.

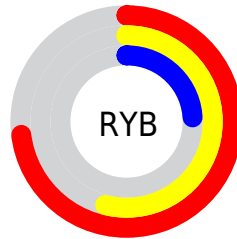
Distribution



Red (73%)

Green (42%)

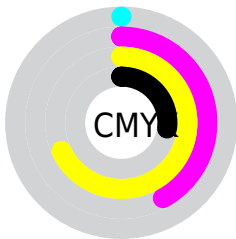
Blue (24%)



Red (73%)

Yellow (54%)

Blue (24%)

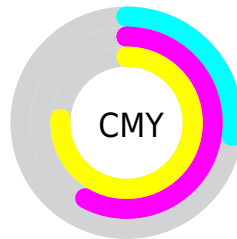


Cyan (0%)

Magenta (42%)

Yellow (68%)

Black (27%)



Cyan (27%)

Magenta (58%)


Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.4905, 0.4810, 0.3911 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 21.4905, 0.4810, 0.3911 by changing the saturation by 10% instead.


 21.4905, 0.4810,
0.3911

 21.4905, 0.4810,
0.3911


259.8739, 0.3878,
0.3637


 13.4830, 0.5058,
0.3947

 45.9024, 0.4455,
0.3830

 7.7620, 0.5374,
0.3961


 63.0757, 0.4326,
0.3793

 3.9430, 0.5921,
0.4013

 84.0730, 0.4219,
0.3760

 1.6417, 0.6282,
0.3718

 109.2787, 0.4129,
0.3730

 0.3855, 0.7287,
0.2713

 139.0773, 0.4052,
0.3703

 0.0000, 0.0000,
0.0000

 173.8530, 0.3986,

0.3678

213.9904, 0.3929,
0.3657

■ 21.4905, 0.4810,
0.3911

■ 21.4905, 0.4810,
0.3911

■ 19.0577, 0.5137,
0.3934

■ 24.3155, 0.4483,
0.3851

■ 16.9937, 0.5440,
0.3909

■ 27.5476, 0.4175,
0.3766

■ 15.2748, 0.5696,
0.3834

■ 31.2051, 0.3896,
0.3667

■ 14.9300, 0.5750,
0.3816

■ 35.3036, 0.3649,
0.3564

■ 39.8584, 0.3435,
0.3461

■ 44.8834, 0.3251,
0.3362

■ 50.3924, 0.3094,
0.3270

■ 56.3984, 0.2959,
0.3184

■ 62.9137, 0.2844,
0.3105

Harmonies

Analogous

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



21.4905, 0.4684, 0.3294



21.4905, 0.4810, 0.3911



21.4905, 0.4430, 0.4502

Triad

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



21.4905, 0.4810, 0.3911



21.4905, 0.2205, 0.3904



21.4905, 0.2374, 0.2042

Complementary

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



21.4905, 0.4810, 0.3911



22.6844, 0.2147, 0.2458

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.



21.4905, 0.1875, 0.2043



21.4905, 0.4810, 0.3911



21.4905, 0.1777, 0.2978

Square

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



21.4905, 0.4810, 0.3911



21.4905, 0.2917, 0.4696



21.4905, 0.1675, 0.2336



21.4905, 0.3151, 0.2285

Rectangle

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



21.4905, 0.4810, 0.3911



21.4905, 0.3987, 0.4794



21.4905, 0.1675, 0.2336



21.4905, 0.2175, 0.2013

Sweetspot

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



21.4916, 0.4810, 0.3911



70.0231, 0.3487, 0.3487



15.5590, 0.3882, 0.2272



14.9015, 0.3547, 0.3516



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.



21.4916, 0.4810, 0.3911



32.7399, 0.5281, 0.3929



39.2218, 0.4177, 0.4642



9.5580, 0.3278, 0.3378



10.1775, 0.5727, 0.3835



0.4798, 0.5244, 0.4219

Inverse Universe

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



22.6844, 0.2147, 0.2458



34.8280, 0.2004, 0.2244



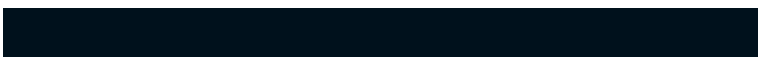
9.7845, 0.1888, 0.1382



9.6203, 0.2985, 0.3201



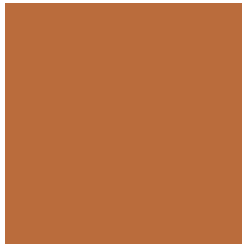
10.8045, 0.1892, 0.2009



0.4964, 0.1994, 0.2377

Previews

White Background



This preview shows how the Yxy color 21.4905, 0.4810, 0.3911 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 21.4905, 0.4810, 0.3911 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 21.4905, 0.4810, 0.3911

Background



This preview shows how black text looks on a background with the Yxy color 21.4905, 0.4810, 0.3911.



This preview shows how white text looks on a background with the Yxy color 21.4905, 0.4810, 0.3911.

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

21.4905, 0.4810, 0.3911

Protanopia

21.5944, 0.3985, 0.4326

Deuteranopia

21.5854, 0.4359, 0.4278



Tritanopia

21.4473, 0.4237, 0.3183

Trichromacy



Original Color

21.4905, 0.4810, 0.3911

Protanomaly

21.3140, 0.4288, 0.4180

Deuteranomaly

21.4631, 0.4529, 0.4139

Tritanomaly

21.3647, 0.4471, 0.3458

Monochromacy



Original Color

21.4905, 0.4810, 0.3911

Achromatopsia

20.8637, 0.3127, 0.3290

Achromatomaly

20.4489, 0.3717, 0.3584

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.4905, 0.4810, 0.3911 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, 108, 60)` looks like.

```
.text, #text, p{  
    color:rgb(186, 108, 60)  
}
```

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, 108, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 108, 60) }
```

Border

The CSS property to change the border of an element to Yxy 21.4905, 0.4810, 0.3911 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, 108, 60) }
```

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

```
.border{ border-color:rgb(186, 108, 60) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 108, 60)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 108, 60); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 108, 60);  
box-shadow:4px 4px 4px 4px rgb(186, 108,  
60) }
```


Background

The CSS property to change the background color of an element to Yxy 21.4905, 0.4810, 0.3911 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 108, 60) }
```

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

```
.background{ background-color: rgb(186,  
108, 60) }
```

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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