

Converting Colors

$Y_{xy}(21.3036, 0.4821, 0.3805)$

Have a look what the booklet for
Yxy(21.3036, 0.4821, 0.3805)
contains.

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Color

Yxy(21.3036, 0.4821, 0.3805)

Conversions

Conversions Part 1

Format	Color
Hex	BD6941
RGB	189, 105, 65
RGB Percent	74%, 41%, 25%
CMY	0.2588, 0.5882, 0.7450
CMYK	0.00, 0.44, 0.66, 0.26
HSL	19°, 49%, 50%
HSV	19°, 66%, 74%
XYZ	26.9920, 21.3036, 7.6928
YIQ	125.5560, 62.9040, 5.3680

Conversions

Conversions Part 2

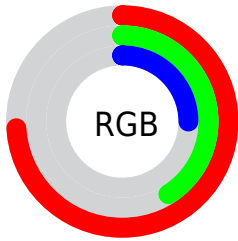
Format	Color
R _Y B	189, 124, 65
Decimal	12413249
CIE Lab	53.28, 30.03, 36.77
CIE LCh	53, 47.473, 50.760
Yxy	21.3036, 0.4821, 0.3805
Android (android.graphics.Color)	4290603329 (0xFFBD6941)
YUV	125.5560, -29.8541, 55.6404
Hunter-Lab	46.1558, 23.6145, 22.4272

Details

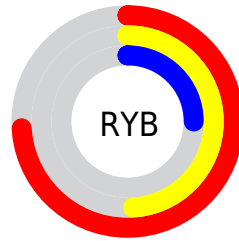
The Yxy color **21.3036, 0.4821, 0.3805** is a dark color, and the websafe version is hex **CC6633**. A complement of this color would be **26.2962, 0.2201, 0.2617**, and the grayscale version is **20.7939, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.4686, 0.4459, 0.3743**, and **7.7007, 0.5413, 0.3827** is the 20% darker color. If you saturate the color by 10%, you get **18.7060, 0.5179, 0.3825**, and if you desaturate by 10%, it is **24.3694, 0.4471, 0.3752**.

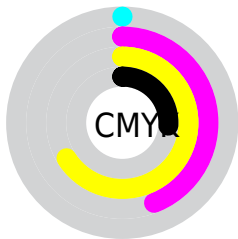
Distribution



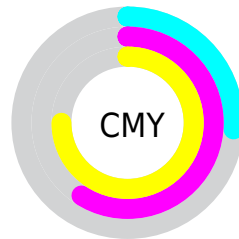
- Red (74%)
- Green (41%)
- Blue (25%)



- Red (74%)
- Yellow (49%)
- Blue (25%)



- Cyan (0%)
- Magenta (44%)
- Yellow (66%)
- Black (26%)





- Cyan (26%)
- Magenta (59%)
- Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.3036, 0.4821, 0.3805 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 21.3036, 0.4821, 0.3805 by changing the saturation by 10% instead.


 21.3036, 0.4821,
0.3805

 21.3036, 0.4821,
0.3805


258.8876, 0.3876,
0.3587


 13.3461, 0.5078,
0.3828


 45.5923, 0.4458,
0.3744


 7.6673, 0.5411,
0.3828


 62.6922, 0.4327,
0.3715

 3.8828, 0.5939,
0.3829

 83.6085, 0.4219,
0.3688

 1.6082, 0.6433,
0.3567

 108.7254, 0.4128,
0.3663

 0.3631, 0.7520,
0.2480

 138.4273, 0.4051,
0.3641

 0.0000, 1.0000,
0.0000

 173.0988, 0.3984,

 0.0000, 0.0000,

0.3621

0.0000

213.1240, 0.3927,
0.3603

■ 21.3036, 0.4821,
0.3805

■ 21.3036, 0.4821,
0.3805

■ 18.7060, 0.5179,
0.3825

■ 24.3694, 0.4471,
0.3752

■ 16.5482, 0.5515,
0.3801

■ 27.9231, 0.4147,
0.3678

■ 14.8030, 0.5797,
0.3729

■ 31.9871, 0.3860,
0.3593

■ 14.1517, 0.5908,
0.3691

■ 36.5815, 0.3610,
0.3504

■ 41.7250, 0.3397,
0.3417

■ 47.4355, 0.3216,
0.3334

■ 53.7301, 0.3063,
0.3257

■ 60.6251, 0.2933,
0.3185

■ 68.1361, 0.2823,
0.3120

Harmonies

Analogous

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



21.3036, 0.4601, 0.3194



21.3036, 0.4821, 0.3805



21.3036, 0.4517, 0.4406

Triad

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



21.3036, 0.4821, 0.3805



21.3036, 0.2313, 0.4060



21.3036, 0.2272, 0.2028

Complementary

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



21.3036, 0.4821, 0.3805



26.2962, 0.2201, 0.2617

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.



21.3036, 0.1825, 0.2076



21.3036, 0.4821, 0.3805



21.3036, 0.1831, 0.3122

Square

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



21.3036, 0.4821, 0.3805



21.3036, 0.3055, 0.4767



21.3036, 0.1676, 0.2423



21.3036, 0.3005, 0.2232

Rectangle

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



21.3036, 0.4821, 0.3805



21.3036, 0.4106, 0.4728



21.3036, 0.1676, 0.2423



21.3036, 0.2090, 0.2014

Sweetspot

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



21.3047, 0.4821, 0.3805



70.2577, 0.3493, 0.3458



16.7947, 0.3749, 0.2220



14.5587, 0.3554, 0.3482



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.



21.3047, 0.4821, 0.3805



31.6052, 0.5340, 0.3820



38.5704, 0.4203, 0.4550



10.0253, 0.3280, 0.3365



9.6463, 0.5885, 0.3709



0.4994, 0.5406, 0.4089

Inverse Universe

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



26.2962, 0.2201, 0.2617



40.9245, 0.2064, 0.2438



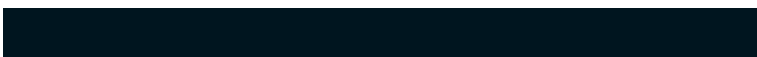
11.7364, 0.1947, 0.1540



10.2765, 0.2985, 0.3214



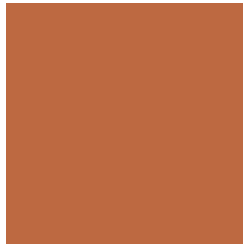
13.0097, 0.1948, 0.2214



0.6233, 0.2028, 0.2502

Previews

White Background



This preview shows how the Yxy color 21.3036, 0.4821, 0.3805 looks on a white background.

Color Contrast Check

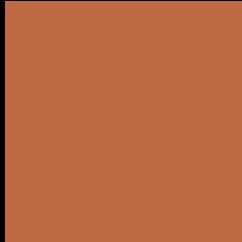
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.3036, 0.4821, 0.3805 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

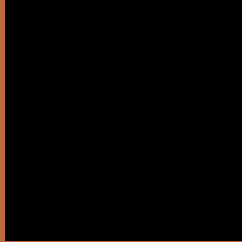
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.3036, 0.4821, 0.3805

Background



This preview shows how black text looks on a background with the Yxy color 21.3036, 0.4821, 0.3805.



This preview shows how white text looks on a background with the Yxy color 21.3036, 0.4821, 0.3805.

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

21.3036, 0.4821, 0.3805

Protanopia

21.4948, 0.3897, 0.4244

Deuteranopia

21.5251, 0.4308, 0.4234



Tritanopia

21.3823, 0.4331, 0.3199

Trichromacy



Original Color

21.3036, 0.4821, 0.3805

Protanomaly

21.1442, 0.4233, 0.4083

Deuteranomaly

21.2736, 0.4500, 0.4077

Tritanomaly

21.3518, 0.4523, 0.3428

Monochromacy



Original Color

21.3036, 0.4821, 0.3805

Achromatopsia

20.8637, 0.3127, 0.3290

Achromatomaly

20.3459, 0.3709, 0.3531

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.3036, 0.4821, 0.3805 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(189, 105, 65)` looks like.

```
.text, #text, p{  
    color:rgb(189, 105, 65)  
}
```

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(189, 105, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 105, 65) }
```

Border

The CSS property to change the border of an element to Yxy 21.3036, 0.4821, 0.3805 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(189, 105, 65) }
```

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

```
.border{ border-color:rgb(189, 105, 65) }
```

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

Here you see how a box with a 4 pixel rgb(189, 105, 65) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 105, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 105, 65);  
box-shadow:4px 4px 4px 4px rgb(189, 105,  
65) }
```


Background

The CSS property to change the background color of an element to Yxy 21.3036, 0.4821, 0.3805 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 105, 65) }
```

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

```
.background{ background-color: rgb(189,  
105, 65) }
```

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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