

Converting Colors

$Y_{xy}(21.5729, 0.4831, 0.3787)$

Have a look what the booklet for
Yxy(21.5729, 0.4831, 0.3787)
contains.

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Color

Yxy(21.5729, 0.4831, 0.3787)

Conversions

Conversions Part 1

Format	Color
Hex	BF6942
RGB	191, 105, 66
RGB Percent	75%, 41%, 26%
CMY	0.2510, 0.5882, 0.7410
CMYK	0.00, 0.45, 0.65, 0.25
HSL	19°, 49%, 50%
HSV	19°, 65%, 75%
XYZ	27.5201, 21.5729, 7.8727
YIQ	126.2680, 63.7750, 6.1030

Conversions

Conversions Part 2

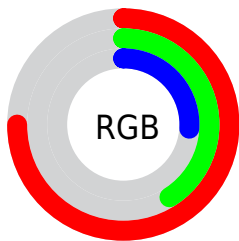
Format	Color
R_{YB}	191, 123, 66
Decimal	12544322
CIE _{Lab}	53.57, 30.91, 36.63
CIE _{LCh}	54, 47.926, 49.844
Yxy	21.5729, 0.4831, 0.3787
Android (android.graphics.Color)	4290734402 (0xFFBF6942)
YUV	126.2680, -29.7121, 56.7700
Hunter-Lab	46.4466, 24.4815, 22.4631

Details

The Yxy color **21.5729, 0.4831, 0.3787** is a dark color, and the websafe version is hex **CC6633**. A complement of this color would be **27.3821, 0.2208, 0.2642**, and the grayscale version is **21.0489, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.8610, 0.4467, 0.3729**, and **7.7844, 0.5414, 0.3812** is the 20% darker color. If you saturate the color by 10%, you get **18.9113, 0.5194, 0.3806**, and if you desaturate by 10%, it is **24.7257, 0.4476, 0.3736**.

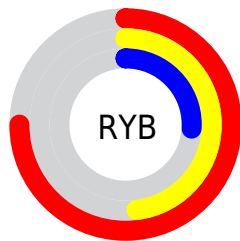
Distribution



Red (75%)

Green (41%)

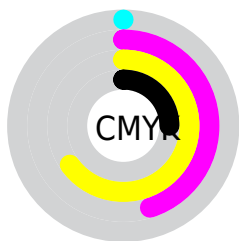
Blue (26%)



Red (75%)

Yellow (48%)

Blue (26%)

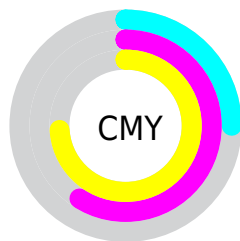


Cyan (0%)

Magenta (45%)

Yellow (65%)

Black (25%)



Cyan (25%)


Magenta (59%)

Yellow (74%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.5729, 0.4831, 0.3787 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 21.5729, 0.4831, 0.3787 by changing the saturation by 10% instead.


 21.5729, 0.4831,
0.3787


 21.5729, 0.4831,
0.3787


260.3077, 0.3882,
0.3579


 13.5434, 0.5089,
0.3807

 46.0391, 0.4467,
0.3730

 7.8038, 0.5423,
0.3804


 63.2445, 0.4335,
0.3702


 3.9697, 0.5940,
0.3792

 84.2775, 0.4226,
0.3677

 1.6566, 0.6458,
0.3542

 109.5222, 0.4135,
0.3653

 0.3953, 0.7465,
0.2535

 139.3632, 0.4057,
0.3632

 0.0000, 1.0000,
0.0000

174.1849, 0.3991,

 0.0000, 0.0000,

0.3613

0.0000

214.3716, 0.3933,
0.3595

■ 21.5729, 0.4831,
0.3787

■ 21.5729, 0.4831,
0.3787

■ 18.9113, 0.5194,
0.3806

■ 24.7257, 0.4476,
0.3736

■ 16.7108, 0.5535,
0.3780

■ 28.3909, 0.4149,
0.3664

■ 14.9424, 0.5821,
0.3708

■ 32.5921, 0.3859,
0.3582

■ 14.2624, 0.5936,
0.3669

■ 37.3508, 0.3608,
0.3496

■ 42.6868, 0.3394,
0.3412

■ 48.6193, 0.3213,
0.3331

■ 55.1663, 0.3060,
0.3257

■ 62.3451, 0.2931,
0.3188

■ 70.1724, 0.2822,
0.3125

Harmonies

Analogous

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



21.5729, 0.4593, 0.3175



21.5729, 0.4831, 0.3787



21.5729, 0.4539, 0.4393

Triad

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



21.5729, 0.4831, 0.3787



21.5729, 0.2328, 0.4093



21.5729, 0.2250, 0.2020

Complementary

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



21.5729, 0.4831, 0.3787



27.3821, 0.2208, 0.2642

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.



21.5729, 0.1811, 0.2076



21.5729, 0.4831, 0.3787



21.5729, 0.1835, 0.3147

Square

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



21.5729, 0.4831, 0.3787



21.5729, 0.3079, 0.4788



21.5729, 0.1670, 0.2434



21.5729, 0.2979, 0.2218

Rectangle

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



21.5729, 0.4831, 0.3787



21.5729, 0.4131, 0.4723



21.5729, 0.1670, 0.2434



21.5729, 0.2070, 0.2009

Sweetspot

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



21.5740, 0.4831, 0.3787



71.6543, 0.3495, 0.3452



17.2922, 0.3715, 0.2198



15.1460, 0.3557, 0.3477



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



21.5740, 0.4831, 0.3787



31.8717, 0.5364, 0.3799



38.7415, 0.4219, 0.4527



10.0089, 0.3281, 0.3362



9.5022, 0.5912, 0.3688



0.4923, 0.5430, 0.4071

Inverse Universe

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



27.3821, 0.2208, 0.2642



42.7523, 0.2072, 0.2467



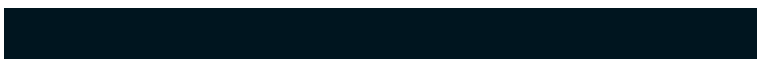
12.4070, 0.1957, 0.1577



10.2937, 0.2985, 0.3217



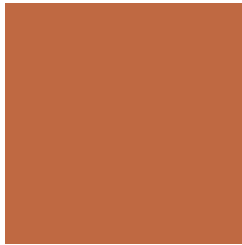
13.3639, 0.1959, 0.2252



0.6352, 0.2036, 0.2530

Previews

White Background



This preview shows how the Yxy color 21.5729, 0.4831, 0.3787 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 21.5729, 0.4831, 0.3787 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

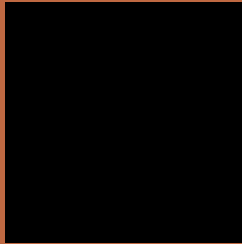
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.5729, 0.4831, 0.3787

Background



This preview shows how black text looks on a background with the Yxy color 21.5729, 0.4831, 0.3787.



This preview shows how white text looks on a background with the Yxy color 21.5729, 0.4831, 0.3787.

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

21.5729, 0.4831, 0.3787

Protanopia

21.8576, 0.3892, 0.4239

Deuteranopia

21.5360, 0.4298, 0.4221



Tritanopia

21.5133, 0.4343, 0.3199

Trichromacy



Original Color

21.5729, 0.4831, 0.3787

Protanomaly

21.2588, 0.4235, 0.4064

Deuteranomaly

21.3957, 0.4501, 0.4060

Tritanomaly

21.4819, 0.4535, 0.3427

Monochromacy



Original Color

21.5729, 0.4831, 0.3787

Achromatopsia

20.8637, 0.3127, 0.3290

Achromatomaly

20.4404, 0.3723, 0.3530

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.5729, 0.4831, 0.3787 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(191, 105, 66)` looks like.

```
.text, #text, p{  
    color:rgb(191, 105, 66)  
}
```

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(191, 105, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 105, 66) }
```

Border

The CSS property to change the border of an element to Yxy 21.5729, 0.4831, 0.3787 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(191, 105, 66) }
```

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

```
.border{ border-color:rgb(191, 105, 66) }
```

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

Here you see how a box with a 4 pixel rgb(191, 105, 66) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 105, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 105, 66);  
box-shadow:4px 4px 4px 4px rgb(191, 105,  
66) }
```


Background

The CSS property to change the background color of an element to Yxy 21.5729, 0.4831, 0.3787 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 105, 66) }
```

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

```
.background{ background-color: rgb(191,  
105, 66) }
```

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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