

Converting Colors

$Y_{xy}(21.5491, 0.4733, 0.3808)$

Have a look what the booklet for
Yxy(21.5491, 0.4733, 0.3808)
contains.

Yxy(21.4975, 0.4743, 0.3805)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(21.4975, 0.4743, 0.3805)

Conversions

Conversions Part 1

Format	Color
Hex	BB6B44
RGB	187, 107, 68
RGB Percent	73%, 42%, 27%
CMY	0.2666, 0.5804, 0.7334
CMYK	0.00, 0.43, 0.64, 0.27
HSL	20°, 47%, 50%
HSV	20°, 64%, 73%
XYZ	26.7970, 21.4975, 8.2035
YIQ	126.4740, 60.1990, 4.8310

Conversions

Conversions Part 2

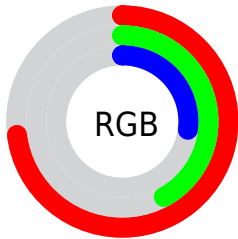
Format	Color
RYB	187, 126, 68
Decimal	12282692
CIELab	53.49, 28.33, 35.34
CIElCh	53, 45.294, 51.278
Yxy	21.4975, 0.4743, 0.3805
Android (android.graphics.Color)	4290472772 (0xFFBB6B44)
YUV	126.4740, -28.8277, 53.0813
Hunter-Lab	46.3654, 22.0251, 21.9655

Details

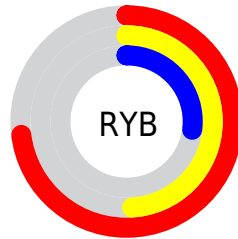
The Yxy color **21.4975, 0.4743, 0.3805** is a dark color, and the websafe version is hex **CC6633**. A complement of this color would be **25.9981, 0.2221, 0.2631**, and the grayscale version is **21.1189, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.8548, 0.4400, 0.3738**, and **7.7512, 0.5315, 0.3846** is the 20% darker color. If you saturate the color by 10%, you get **18.8720, 0.5098, 0.3834**, and if you desaturate by 10%, it is **24.5792, 0.4399, 0.3746**.

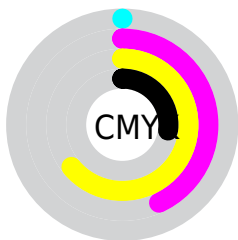
Distribution



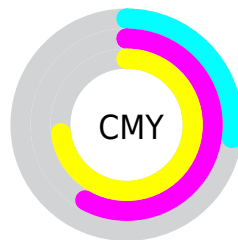
- Red (73%)
- Green (42%)
- Blue (27%)



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



- Cyan (0%)
- Magenta (43%)
- Yellow (64%)
- Black (27%)



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

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.4975, 0.4743, 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 21.4975, 0.4743, 0.3805 by changing the saturation by 10% instead.


 21.4975, 0.4743,
0.3805


 21.4975, 0.4743,
0.3805

259.9107, 0.3841,
0.3580

 13.4881, 0.4990,
0.3834


 45.9141, 0.4396,
0.3739


 7.7655, 0.5313,
0.3845


 63.0900, 0.4271,
0.3708


 3.9453, 0.5802,
0.3846

 84.0904, 0.4167,
0.3681

 1.6430, 0.6348,
0.3652

 109.2994, 0.4080,
0.3656

 0.3863, 0.7362,
0.2638

 139.1016, 0.4007,
0.3634

 0.0000, 1.0000,
0.0000

173.8813, 0.3944,

 0.0000, 0.0000,

0.3614

0.0000

214.0228, 0.3889,
0.3596

■ 21.4975, 0.4743,
0.3805

■ 21.4975, 0.4743,
0.3805

■ 18.8720, 0.5098,
0.3834

■ 24.5792, 0.4399,
0.3746

■ 16.6758, 0.5439,
0.3820

■ 28.1355, 0.4085,
0.3667

■ 14.8837, 0.5733,
0.3757

■ 32.1876, 0.3806,
0.3580

■ 13.9355, 0.5893,
0.3703

■ 36.7544, 0.3565,
0.3490

■ 41.8536, 0.3359,
0.3402

■ 47.5024, 0.3184,
0.3319

■ 53.7168, 0.3036,
0.3242

■ 60.5123, 0.2910,
0.3170

■ 67.9039, 0.2804,
0.3105

Harmonies

Analogous

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



21.4975, 0.4537, 0.3215



21.4975, 0.4743, 0.3805



21.4975, 0.4453, 0.4377

Triad

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



21.4975, 0.4743, 0.3805



21.4975, 0.2342, 0.4005



21.4975, 0.2320, 0.2080

Complementary

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



21.4975, 0.4743, 0.3805



25.9981, 0.2221, 0.2631

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.



21.4975, 0.1883, 0.2124



21.4975, 0.4743, 0.3805



21.4975, 0.1881, 0.3121

Square

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



21.4975, 0.4743, 0.3805



21.4975, 0.3052, 0.4680



21.4975, 0.1733, 0.2457



21.4975, 0.3028, 0.2280

Rectangle

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



21.4975, 0.4743, 0.3805



21.4975, 0.4059, 0.4673



21.4975, 0.1733, 0.2457



21.4975, 0.2142, 0.2065

Sweetspot

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



21.4986, 0.4743, 0.3805



69.6587, 0.3471, 0.3451



16.8795, 0.3723, 0.2243



14.7746, 0.3533, 0.3477



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.



21.4986, 0.4743, 0.3805



32.2988, 0.5224, 0.3834



37.9638, 0.4173, 0.4523



10.0334, 0.3280, 0.3366



9.7188, 0.5871, 0.3720



0.5028, 0.5395, 0.4098

Inverse Universe

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



25.9981, 0.2221, 0.2631



40.7484, 0.2086, 0.2462



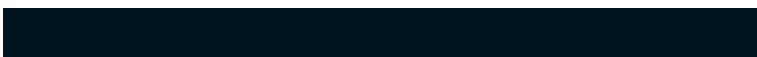
12.0970, 0.1982, 0.1599



10.2681, 0.2985, 0.3213



12.8388, 0.1943, 0.2196



0.6175, 0.2025, 0.2489

Previews

White Background



This preview shows how the Yxy color 21.4975, 0.4743, 0.3805 looks on a white background.

Color Contrast Check

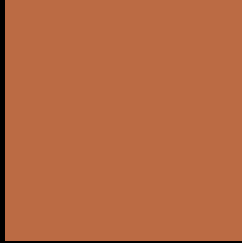
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.4975, 0.4743, 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 21.4975, 0.4743, 0.3805

Background



This preview shows how black text looks on a background with the Yxy color 21.4975, 0.4743, 0.3805.



This preview shows how white text looks on a background with the Yxy color 21.4975, 0.4743, 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

21.4975, 0.4743, 0.3805

Protanopia

21.5218, 0.3876, 0.4212

Deuteranopia

21.5698, 0.4267, 0.4181



Tritanopia

21.5540, 0.4264, 0.3197

Trichromacy



Original Color

21.4975, 0.4743, 0.3805

Protanomaly

21.0689, 0.4198, 0.4059

Deuteranomaly

21.5509, 0.4446, 0.4042

Tritanomaly

21.5276, 0.4455, 0.3430

Monochromacy



Original Color

21.4975, 0.4743, 0.3805

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 21.4975, 0.4743, 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(187, 107, 68)` looks like.

```
.text, #text, p{  
    color:rgb(187, 107, 68)  
}
```

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(187, 107, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 107, 68) }
```

Border

The CSS property to change the border of an element to Yxy 21.4975, 0.4743, 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(187, 107, 68) }
```

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

```
.border{ border-color:rgb(187, 107, 68) }
```

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

Here you see how a box with a 4 pixel rgb(187, 107, 68) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 107, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 107, 68);  
box-shadow:4px 4px 4px 4px rgb(187, 107,  
68) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 21.4975, 0.4743, 0.3805$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 107, 68) }
```

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

```
.background{ background-color: rgb(187,  
107, 68) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor