

Converting Colors

$Y_{xy}(19.8749, 0.4875, 0.3695)$

Have a look what the booklet for
Yxy(19.8749, 0.4875, 0.3695)
contains.

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Color

Yxy(19.9594, 0.4874, 0.3689)

Conversions

Conversions Part 1

Format	Color
Hex	BD6243
RGB	189, 98, 67
RGB Percent	74%, 38%, 26%
CMY	0.2588, 0.6157, 0.7372
CMYK	0.00, 0.48, 0.65, 0.26
HSL	15°, 48%, 50%
HSV	15°, 65%, 74%
XYZ	26.3709, 19.9594, 7.7749
YIQ	121.6750, 64.1870, 9.6510

Conversions

Conversions Part 2

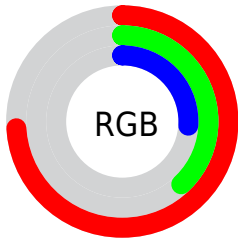
Format	Color
R _Y B	189, 109, 67
Decimal	12411459
CIE Lab	51.79, 33.91, 33.91
CIE LCh	52, 47.952, 45.000
Yxy	19.9594, 0.4874, 0.3689
Android (android.graphics.Color)	4290601539 (0xFFBD6243)
YUV	121.6750, -26.9548, 59.0440
Hunter-Lab	44.6759, 27.1803, 20.9550

Details

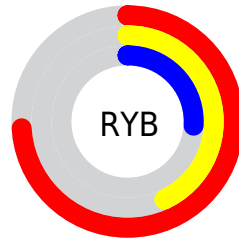
The Yxy color **19.9594, 0.4874, 0.3689** is a dark color, and the websafe version is hex **CC6633**. A complement of this color would be **29.3364, 0.2247, 0.2777**, and the grayscale version is **19.4248, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.2134, 0.4487, 0.3650**, and **6.9177, 0.5515, 0.3666** is the 20% darker color. If you saturate the color by 10%, you get **17.3590, 0.5263, 0.3701**, and if you desaturate by 10%, it is **23.1009, 0.4497, 0.3648**.

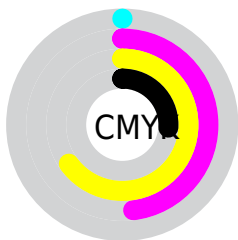
Distribution



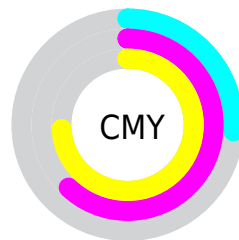
- Red (74%)
- Green (38%)
- Blue (26%)



- Red (74%)
- Yellow (43%)
- Blue (26%)



- Cyan (0%)
- Magenta (48%)
- Yellow (65%)
- Black (26%)




- Cyan (26%)
- Magenta (62%)
- Yellow (74%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.9594, 0.4874, 0.3689 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 19.9594, 0.4874, 0.3689 by changing the saturation by 10% instead.


 19.9594, 0.4874,
0.3689


 19.9594, 0.4874,
0.3689


251.6952, 0.3886,
0.3533


 12.3655, 0.5150,
0.3695


 43.3491, 0.4490,
0.3652


 6.9931, 0.5513,
0.3672


 59.9137, 0.4353,
0.3631

 3.4578, 0.6095,
0.3636

 80.2374, 0.4240,
0.3611

 1.3752, 0.6675,
0.3325

 104.7045, 0.4146,
0.3593

 0.1983, 0.8384,
0.1616

 133.6995, 0.4066,
0.3576

 0.0000, 0.0000,
0.0000

167.6066, 0.3997,

0.3560

206.8104, 0.3938,
0.3546

■ 19.9594, 0.4874,
0.3689

■ 19.9594, 0.4874,
0.3689

■ 17.3590, 0.5263,
0.3701

■ 23.1009, 0.4497,
0.3648

■ 15.2646, 0.5630,
0.3674

■ 26.8095, 0.4153,
0.3590

■ 13.6416, 0.5933,
0.3606

■ 31.1132, 0.3853,
0.3522

■ 12.9345, 0.6071,
0.3562

■ 36.0371, 0.3596,
0.3452

■ 41.6049, 0.3380,
0.3383

■ 47.8390, 0.3199,
0.3318

■ 54.7607, 0.3048,
0.3258

■ 62.3905, 0.2921,
0.3202

■ 70.7477, 0.2815,
0.3151

Harmonies

Analogous

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



19.9594, 0.4540, 0.3072



19.9594, 0.4874, 0.3689



19.9594, 0.4649, 0.4317

Triad

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



19.9594, 0.4874, 0.3689



19.9594, 0.2416, 0.4266



19.9594, 0.2136, 0.1984

Complementary

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



19.9594, 0.4874, 0.3689



29.3364, 0.2247, 0.2777

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.



19.9594, 0.1739, 0.2084



19.9594, 0.4874, 0.3689



19.9594, 0.1863, 0.3289

Square

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



19.9594, 0.4874, 0.3689



19.9594, 0.3209, 0.4887



19.9594, 0.1644, 0.2503



19.9594, 0.2836, 0.2146

Rectangle

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



19.9594, 0.4874, 0.3689



19.9594, 0.4263, 0.4683



19.9594, 0.1644, 0.2503



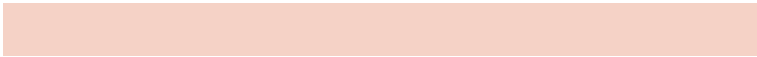
19.9594, 0.1970, 0.1986

Sweetspot

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



19.9605, 0.4874, 0.3689



69.6085, 0.3478, 0.3416



17.3237, 0.3610, 0.2141



14.3639, 0.3541, 0.3435



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.



19.9605, 0.4874, 0.3689



29.5988, 0.5404, 0.3696



35.8572, 0.4258, 0.4449



9.9196, 0.3282, 0.3349



8.8065, 0.6049, 0.3579



0.4538, 0.5566, 0.3963

Inverse Universe

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



29.3364, 0.2247, 0.2777



47.3350, 0.2129, 0.2648



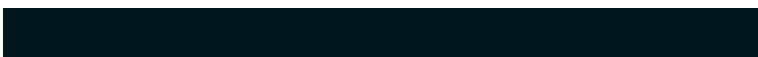
13.5137, 0.1996, 0.1705



10.3882, 0.2985, 0.3230



15.4189, 0.2016, 0.2456



0.7029, 0.2078, 0.2679

Previews

White Background



This preview shows how the Yxy color 19.9594, 0.4874, 0.3689 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 19.9594, 0.4874, 0.3689 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 19.9594, 0.4874, 0.3689

Background



This preview shows how black text looks on a background with the Yxy color 19.9594, 0.4874, 0.3689.



This preview shows how white text looks on a background with the Yxy color 19.9594, 0.4874, 0.3689.

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

19.9594, 0.4874, 0.3689

Protanopia

20.0880, 0.3829, 0.4156

Deuteranopia

19.9911, 0.4251, 0.4182



Tritanopia

20.0019, 0.4465, 0.3213

Trichromacy



Original Color

19.9594, 0.4874, 0.3689

Protanomaly

19.7111, 0.4206, 0.3976

Deuteranomaly

19.7384, 0.4483, 0.3999

Tritanomaly

19.8361, 0.4626, 0.3387

Monochromacy



Original Color

19.9594, 0.4874, 0.3689

Achromatopsia

19.4618, 0.3127, 0.3290

Achromatomaly

18.8806, 0.3720, 0.3484

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.9594, 0.4874, 0.3689 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, 98, 67)` looks like.

```
.text, #text, p{  
    color:rgb(189, 98, 67)  
}
```

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, 98, 67) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 98, 67) }
```

Border

The CSS property to change the border of an element to Yxy 19.9594, 0.4874, 0.3689 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, 98, 67) }
```

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

```
.border{ border-color:rgb(189, 98, 67) }
```

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

Here you see how a box with a 4 pixel rgb(189, 98, 67) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 98, 67); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 98, 67);  
box-shadow:4px 4px 4px 4px rgb(189, 98,  
67) }
```


Background

The CSS property to change the background color of an element to Yxy 19.9594, 0.4874, 0.3689 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 98, 67) }
```

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

```
.background{ background-color: rgb(189, 98,  
67) }
```

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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