

Converting Colors

$Y_{xy}(19.8572, 0.4739, 0.3627)$

Have a look what the booklet for
Yxy(19.8572, 0.4739, 0.3627)
contains.

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Color

Yxy(19.8572, 0.4739, 0.3627)

Conversions

Conversions Part 1

Format	Color
Hex	BA634A
RGB	186, 99, 74
RGB Percent	73%, 39%, 29%
CMY	0.2706, 0.6117, 0.7098
CMYK	0.00, 0.47, 0.60, 0.27
HSL	13°, 45%, 51%
HSV	13°, 60%, 73%
XYZ	25.9452, 19.8572, 8.9459
YIQ	122.1630, 59.8770, 10.6690

Conversions

Conversions Part 2

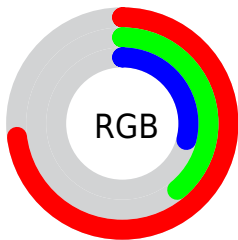
Format	Color
R _Y B	186, 106, 74
Decimal	12215114
CIE Lab	51.68, 32.64, 29.74
CIE LCh	52, 44.156, 42.332
Yxy	19.8572, 0.4739, 0.3627
Android (android.graphics.Color)	4290405194 (0xFFBA634A)
YUV	122.1630, -23.7444, 55.9850
Hunter-Lab	44.5614, 25.9464, 19.2903

Details

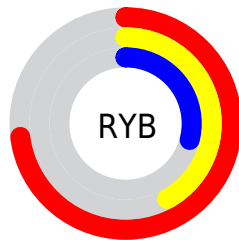
The Yxy color **19.8572, 0.4739, 0.3627** is a dark color, and the websafe version is hex **CC6666**. A complement of this color would be **30.4843, 0.2306, 0.2877**, and the grayscale version is **19.5841, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.1561, 0.4384, 0.3593**, and **6.9591, 0.5349, 0.3627** is the 20% darker color. If you saturate the color by 10%, you get **17.1464, 0.5139, 0.3647**, and if you desaturate by 10%, it is **23.1339, 0.4363, 0.3584**.

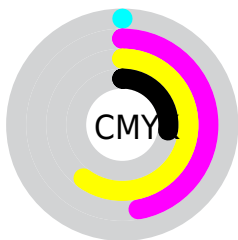
Distribution



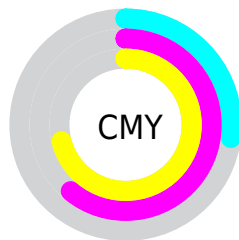
- Red (73%)
- Green (39%)
- Blue (29%)



- Red (73%)
- Yellow (42%)
- Blue (29%)



- Cyan (0%)
- Magenta (47%)
- Yellow (60%)
- Black (27%)





- Cyan (27%)
- Magenta (61%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.8572, 0.4739, 0.3627 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 19.8572, 0.4739, 0.3627 by changing the saturation by 10% instead.


 19.8572, 0.4739,
0.3627


 19.8572, 0.4739,
0.3627

251.1410, 0.3821,
0.3492


 12.2913, 0.5002,
0.3635


 43.1776, 0.4379,
0.3593

 6.9424, 0.5355,
0.3620


 59.7010, 0.4251,
0.3575

 3.4261, 0.5876,
0.3568

 79.9789, 0.4147,
0.3558

 1.3580, 0.6626,
0.3374

 104.3957, 0.4060,
0.3542

 0.1855, 0.8409,
0.1591

 133.3360, 0.3986,
0.3528

 0.0000, 0.0000,
0.0000

167.1840, 0.3923,

0.3515

206.3242, 0.3869,
0.3503

■ 19.8572, 0.4739,
0.3627

■ 19.8572, 0.4739,
0.3627

■ 17.1464, 0.5139,
0.3647

■ 23.1339, 0.4363,
0.3584

■ 14.9654, 0.5533,
0.3636

■ 27.0033, 0.4029,
0.3529

■ 13.2788, 0.5875,
0.3586

■ 31.4945, 0.3742,
0.3468

■ 12.0599, 0.6133,
0.3512

■ 36.6335, 0.3500,
0.3406

■ 42.4449, 0.3298,
0.3347

■ 48.9521, 0.3130,
0.3291

■ 56.1771, 0.2991,
0.3240

■ 64.1410, 0.2874,
0.3193

■ 72.8643, 0.2776,
0.3150

Harmonies

Analogous

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



19.8572, 0.4379, 0.3046



19.8572, 0.4739, 0.3627



19.8572, 0.4585, 0.4215

Triad

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



19.8572, 0.4739, 0.3627



19.8572, 0.2534, 0.4254



19.8572, 0.2159, 0.2065

Complementary

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



19.8572, 0.4739, 0.3627



30.4843, 0.2306, 0.2877

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.



19.8572, 0.1807, 0.2189



19.8572, 0.4739, 0.3627



19.8572, 0.1985, 0.3375

Square

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



19.8572, 0.4739, 0.3627



19.8572, 0.3286, 0.4773



19.8572, 0.1744, 0.2620



19.8572, 0.2793, 0.2196

Rectangle

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



19.8572, 0.4739, 0.3627



19.8572, 0.4251, 0.4556



19.8572, 0.1744, 0.2620



19.8572, 0.2009, 0.2076

Sweetspot

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



19.8582, 0.4739, 0.3627



68.3267, 0.3459, 0.3395



17.9352, 0.3513, 0.2158



14.4035, 0.3523, 0.3412



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.



19.8582, 0.4739, 0.3627



29.8057, 0.5260, 0.3648



34.1286, 0.4212, 0.4346



9.3288, 0.3282, 0.3342



8.2095, 0.6112, 0.3529



0.3835, 0.5612, 0.3926

Inverse Universe

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



30.4843, 0.2306, 0.2877



50.5040, 0.2188, 0.2772



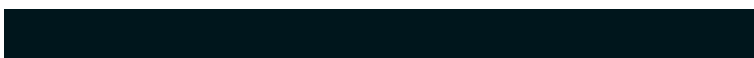
15.2549, 0.2087, 0.1893



9.8612, 0.2985, 0.3238



16.0154, 0.2046, 0.2564



0.6498, 0.2103, 0.2772

Previews

White Background



This preview shows how the Yxy color 19.8572, 0.4739, 0.3627 looks on a white background.

Color Contrast Check

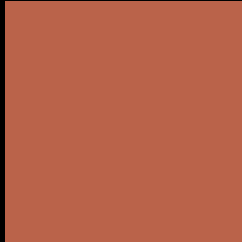
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.8572, 0.4739, 0.3627 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 19.8572, 0.4739, 0.3627

Background



This preview shows how black text looks on a background with the Yxy color 19.8572, 0.4739, 0.3627.



This preview shows how white text looks on a background with the Yxy color 19.8572, 0.4739, 0.3627.

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

19.8572, 0.4739, 0.3627

Protanopia

20.1237, 0.3724, 0.4021

Deuteranopia

19.9784, 0.4161, 0.4085



Tritanopia

19.8351, 0.4390, 0.3198

Trichromacy



Original Color

19.8572, 0.4739, 0.3627

Protanomaly

19.6130, 0.4093, 0.3875

Deuteranomaly

19.7163, 0.4387, 0.3908

Tritanomaly

19.7032, 0.4522, 0.3349

Monochromacy



Original Color

19.8572, 0.4739, 0.3627

Achromatopsia

19.4618, 0.3127, 0.3290

Achromatomaly

19.0743, 0.3661, 0.3449

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.8572, 0.4739, 0.3627 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, 99, 74)` looks like.

```
.text, #text, p{  
  color:rgb(186, 99, 74)  
}
```

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, 99, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 99, 74) }
```

Border

The CSS property to change the border of an element to Yxy 19.8572, 0.4739, 0.3627 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, 99, 74) }
```

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

```
.border{ border-color:rgb(186, 99, 74) }
```

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

Here you see how a box with a 4 pixel rgb(186, 99, 74) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 99, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 99, 74);  
box-shadow:4px 4px 4px 4px rgb(186, 99,  
74) }
```


Background

The CSS property to change the background color of an element to Yxy 19.8572, 0.4739, 0.3627 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 99, 74) }
```

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

```
.background{ background-color: rgb(186, 99,  
74) }
```

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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