

Converting Colors

$Y_{xy}(23.9802, 0.4420, 0.3646)$

Have a look what the booklet for
Yxy(23.9802, 0.4420, 0.3646)
contains.

Yxy(24.0478, 0.4412, 0.3649)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(24.0478, 0.4412, 0.3649)

Conversions

Conversions Part 1

Format	Color
Hex	BD745A
RGB	189, 116, 90
RGB Percent	74%, 45%, 35%
CMY	0.2588, 0.5451, 0.6471
CMYK	0.00, 0.39, 0.52, 0.26
HSL	16°, 43%, 55%
HSV	16°, 52%, 74%
XYZ	29.0762, 24.0478, 12.7785
YIQ	134.8630, 51.8540, 7.3900

Conversions

Conversions Part 2

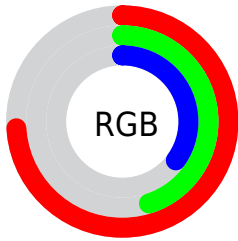
Format	Color
R_{YB}	189, 125, 90
Decimal	12416090
CIE Lab	56.14, 25.97, 26.45
CIE LCh	56, 37.071, 45.525
Yxy	24.0478, 0.4412, 0.3649
Android (android.graphics.Color)	4290606170 (0xFFBD745A)
YUV	134.8630, -22.1175, 47.4781
Hunter-Lab	49.0386, 20.0195, 18.8772

Details

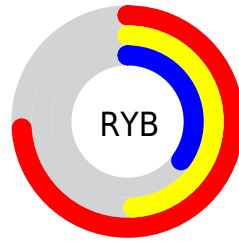
The Yxy color **24.0478, 0.4412, 0.3649** is a dark color, and the websafe version is hex **CC6666**. A complement of this color would be **32.0323, 0.2377, 0.2874**, and the grayscale version is **24.2446, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.2258, 0.4137, 0.3605**, and **9.1017, 0.4871, 0.3702** is the 20% darker color. If you saturate the color by 10%, you get **20.7921, 0.4780, 0.3696**, and if you desaturate by 10%, it is **27.8695, 0.4080, 0.3586**.

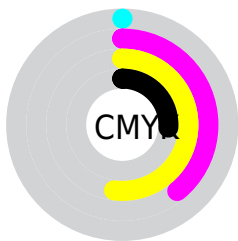
Distribution



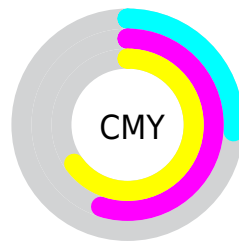
- Red (74%)
- Green (45%)
- Blue (35%)



- Red (74%)
- Yellow (49%)
- Blue (35%)



- Cyan (0%)
- Magenta (39%)
- Yellow (52%)
- Black (26%)





- Cyan (26%)
- Magenta (55%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.0478, 0.4412, 0.3649 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 24.0478, 0.4412, 0.3649 by changing the saturation by 10% instead.


 24.0478, 0.4412,
0.3649


 24.0478, 0.4412,
0.3649


273.0621, 0.3697,
0.3486


 15.3691, 0.4613,
0.3677


 50.1082, 0.4135,
0.3597

 9.0788, 0.4883,
0.3701


 68.2587, 0.4036,
0.3575


 4.7926, 0.5258,
0.3705

 90.3352, 0.3954,
0.3556

 2.1261, 0.6037,
0.3793

 116.7221, 0.3886,
0.3538

 0.6793, 0.6669,
0.3331

 147.8039, 0.3828,
0.3523

 0.0000, 1.0000,
0.0000

183.9648, 0.3778,

 0.0000, 0.0000,

0.3509

0.0000

225.5894, 0.3735,
0.3497

■ 24.0478, 0.4412,
0.3649

■ 24.0478, 0.4412,
0.3649

■ 20.7921, 0.4780,
0.3696

■ 27.8695, 0.4080,
0.3586

■ 18.0710, 0.5165,
0.3717

■ 32.2793, 0.3791,
0.3515

■ 15.8556, 0.5537,
0.3700

■ 37.3025, 0.3545,
0.3442

■ 14.1122, 0.5855,
0.3640

■ 42.9617, 0.3338,
0.3372

■ 13.0718, 0.6051,
0.3577

■ 49.2784, 0.3164,
0.3305

■ 56.2732, 0.3019,
0.3244

■ 63.9657, 0.2897,
0.3187

■ 72.3745, 0.2794,
0.3136

■ 81.1860, 0.2733,
0.3142

Harmonies

Analogous

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



24.0478, 0.4161, 0.3159



24.0478, 0.4412, 0.3649



24.0478, 0.4272, 0.4115

Triad

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



24.0478, 0.4412, 0.3649



24.0478, 0.2609, 0.3967



24.0478, 0.2392, 0.2290

Complementary

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



24.0478, 0.4412, 0.3649



32.0323, 0.2377, 0.2874

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.



24.0478, 0.2068, 0.2382



24.0478, 0.4412, 0.3649



24.0478, 0.2175, 0.3300

Square

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



24.0478, 0.4412, 0.3649



24.0478, 0.3211, 0.4411



24.0478, 0.1992, 0.2722



24.0478, 0.2935, 0.2417

Rectangle

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



24.0478, 0.4412, 0.3649



24.0478, 0.3997, 0.4354



24.0478, 0.1992, 0.2722



24.0478, 0.2257, 0.2295

Sweetspot

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



24.0490, 0.4412, 0.3649



72.8889, 0.3414, 0.3398



20.8175, 0.3493, 0.2319



15.2259, 0.3456, 0.3413



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.



24.0490, 0.4412, 0.3649



36.3867, 0.4841, 0.3702



38.1949, 0.4040, 0.4268



9.9332, 0.3282, 0.3351



8.9036, 0.6029, 0.3595



0.4597, 0.5544, 0.3980

Inverse Universe

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



32.0323, 0.2377, 0.2874



52.0954, 0.2248, 0.2763



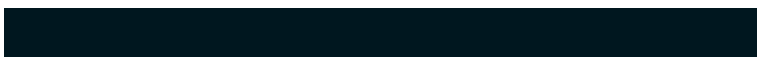
18.0487, 0.2212, 0.2048



10.3736, 0.2985, 0.3228



15.0895, 0.2007, 0.2425



0.6922, 0.2071, 0.2656

Previews

White Background



This preview shows how the Yxy color 24.0478, 0.4412, 0.3649 looks on a white background.

Color Contrast Check

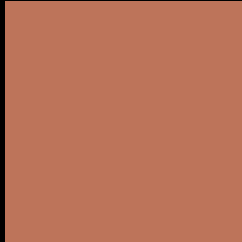
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.0478, 0.4412, 0.3649 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

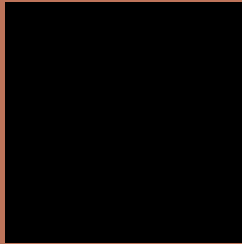
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.0478, 0.4412, 0.3649

Background



This preview shows how black text looks on a background with the Yxy color 24.0478, 0.4412, 0.3649.



This preview shows how white text looks on a background with the Yxy color 24.0478, 0.4412, 0.3649.

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

24.0478, 0.4412, 0.3649

Protanopia

24.2295, 0.3647, 0.3919

Deuteranopia

24.0700, 0.4017, 0.3951



Tritanopia

24.0208, 0.4063, 0.3182

Trichromacy



Original Color

24.0478, 0.4412, 0.3649

Protanomaly

23.8416, 0.3920, 0.3817

Deuteranomaly

23.8905, 0.4167, 0.3832

Tritanomaly

23.8615, 0.4196, 0.3349

Monochromacy



Original Color

24.0478, 0.4412, 0.3649

Achromatopsia

24.2281, 0.3127, 0.3290

Achromatomaly

23.7388, 0.3558, 0.3438

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.0478, 0.4412, 0.3649 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, 116, 90)` looks like.

```
.text, #text, p{  
    color:rgb(189, 116, 90)  
}
```

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, 116, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 116, 90) }
```

Border

The CSS property to change the border of an element to Yxy 24.0478, 0.4412, 0.3649 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, 116, 90) }
```

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

```
.border{ border-color:rgb(189, 116, 90) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 116, 90)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 116, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 116, 90);  
box-shadow:4px 4px 4px 4px rgb(189, 116,  
90) }
```


Background

The CSS property to change the background color of an element to Yxy 24.0478, 0.4412, 0.3649 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 116, 90) }
```

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

```
.background{ background-color: rgb(189,  
116, 90) }
```

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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