

Converting Colors

$Y_{xy}(16.7172, 0.4757, 0.3614)$

Have a look what the booklet for
Yxy(16.7172, 0.4757, 0.3614)
contains.

Yxy(16.7838, 0.4750, 0.3621)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(16.7838, 0.4750, 0.3621)

Conversions

Conversions Part 1

Format	Color
Hex	AD5B44
RGB	173, 91, 68
RGB Percent	68%, 36%, 27%
CMY	0.3216, 0.6431, 0.7333
CMYK	0.00, 0.47, 0.61, 0.32
HSL	13°, 44%, 47%
HSV	13°, 61%, 68%
XYZ	22.0169, 16.7838, 7.5506
YIQ	112.8960, 56.2550, 10.2310

Conversions

Conversions Part 2

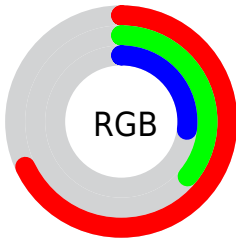
Format	Color
RYB	173, 97, 68
Decimal	11361092
CIELab	47.99, 31.27, 28.15
CIELCh	48, 42.076, 41.998
Yxy	16.7838, 0.4750, 0.3621
Android (android.graphics.Color)	4289551172 (0xFFAD5B44)
YUV	112.8960, -22.1337, 52.7112
Hunter-Lab	40.9680, 24.2346, 17.7502

Details

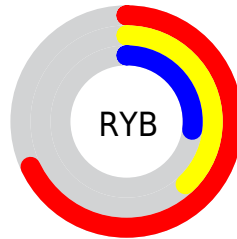
The Yxy color **16.7838, 0.4750, 0.3621** is a dark color, and the websafe version is hex **CC6666**. A complement of this color would be **26.0577, 0.2306, 0.2884**, and the grayscale version is **16.5367, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.0851, 0.4363, 0.3588**, and **5.4349, 0.5423, 0.3597** is the 20% darker color. If you saturate the color by 10%, you get **14.4978, 0.5150, 0.3640**, and if you desaturate by 10%, it is **19.5498, 0.4374, 0.3580**.

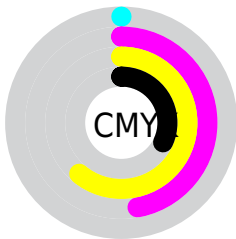
Distribution



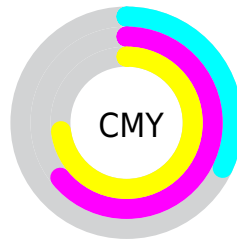
- Red (68%)
- Green (36%)
- Blue (27%)



- Red (68%)
- Yellow (38%)
- Blue (27%)



- Cyan (0%)
- Magenta (47%)
- Yellow (61%)
- Black (32%)




- Cyan (32%)
- Magenta (64%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.7838, 0.4750, 0.3621 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 16.7838, 0.4750, 0.3621 by changing the saturation by 10% instead.


 16.7838, 0.4750,
0.3621


 16.7838, 0.4750,
0.3621


233.9234, 0.3803,
0.3485


 10.0805, 0.5032,
0.3627


 37.9537, 0.4371,
0.3587


 5.4523, 0.5418,
0.3606


 53.1890, 0.4239,
0.3569


 2.5150, 0.6114,
0.3600

 72.0371, 0.4132,
0.3551

 0.8842, 0.6774,
0.3226

 94.8824, 0.4044,
0.3535

 0.0000, 1.0000,
0.0000

 122.1093, 0.3969,
0.3521

 0.0000, 0.0000,
0.0000

154.1022, 0.3906,

0.3508

191.2454, 0.3851,
0.3496

■ 16.7838, 0.4750,
0.3621

■ 16.7838, 0.4750,
0.3621

■ 14.4978, 0.5150,
0.3640

■ 19.5498, 0.4374,
0.3580

■ 12.6611, 0.5543,
0.3628

■ 22.8187, 0.4039,
0.3526

■ 11.2435, 0.5884,
0.3578

■ 26.6151, 0.3752,
0.3466

■ 10.2624, 0.6133,
0.3512

■ 30.9614, 0.3509,
0.3406

■ 35.8783, 0.3306,
0.3348

■ 41.3858, 0.3138,
0.3294

■ 47.5027, 0.2997,
0.3243

■ 54.2469, 0.2880,
0.3197

■ 61.6358, 0.2782,
0.3156

Harmonies

Analogous

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



16.7838, 0.4382, 0.3037



16.7838, 0.4750, 0.3621



16.7838, 0.4599, 0.4214

Triad

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



16.7838, 0.4750, 0.3621



16.7838, 0.2537, 0.4271



16.7838, 0.2147, 0.2057

Complementary

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



16.7838, 0.4750, 0.3621



26.0577, 0.2306, 0.2884

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.



16.7838, 0.1796, 0.2185



16.7838, 0.4750, 0.3621



16.7838, 0.1981, 0.3385

Square

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



16.7838, 0.4750, 0.3621



16.7838, 0.3294, 0.4788



16.7838, 0.1736, 0.2621



16.7838, 0.2781, 0.2186

Rectangle

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



16.7838, 0.4750, 0.3621



16.7838, 0.4264, 0.4559



16.7838, 0.1736, 0.2621



16.7838, 0.1998, 0.2068

Sweetspot

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



16.7847, 0.4750, 0.3621



57.4485, 0.3457, 0.3392



15.2293, 0.3514, 0.2156



11.9696, 0.3519, 0.3409



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



16.7847, 0.4750, 0.3621



24.6956, 0.5294, 0.3640



29.0200, 0.4215, 0.4348



8.2893, 0.3281, 0.3340



7.6120, 0.6116, 0.3526



0.2907, 0.5556, 0.3971

Inverse Universe

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



26.0577, 0.2306, 0.2884



42.5707, 0.2185, 0.2776



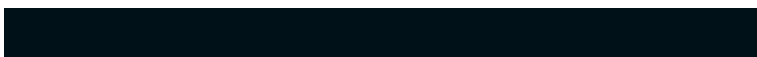
12.9367, 0.2084, 0.1889



8.7699, 0.2986, 0.3239



15.0547, 0.2050, 0.2581



0.4918, 0.2117, 0.2819

Previews

White Background



This preview shows how the Yxy color 16.7838, 0.4750, 0.3621 looks on a white background.

Color Contrast Check

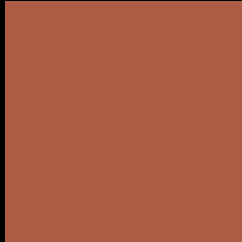
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 16.7838, 0.4750, 0.3621 looks on a black 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

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

Yxy 16.7838, 0.4750, 0.3621

Background



This preview shows how black text looks on a background with the Yxy color 16.7838, 0.4750, 0.3621.



This preview shows how white text looks on a background with the Yxy color 16.7838, 0.4750, 0.3621.

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

16.7838, 0.4750, 0.3621

Protanopia

16.8555, 0.3733, 0.4016

Deuteranopia

16.8829, 0.4167, 0.4088



Tritanopia

16.9016, 0.4399, 0.3206

Trichromacy



Original Color

16.7838, 0.4750, 0.3621

Protanomaly

16.5533, 0.4095, 0.3863

Deuteranomaly

16.5598, 0.4397, 0.3903

Tritanomaly

16.7993, 0.4524, 0.3353

Monochromacy



Original Color

16.7838, 0.4750, 0.3621

Achromatopsia

16.5132, 0.3127, 0.3290

Achromatomaly

16.1171, 0.3673, 0.3442

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.7838, 0.4750, 0.3621 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(173, 91, 68)` looks like.

```
.text, #text, p{  
    color:rgb(173, 91, 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(173, 91, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 91, 68) }
```

Border

The CSS property to change the border of an element to Yxy 16.7838, 0.4750, 0.3621 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(173, 91, 68) }
```

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

```
.border{ border-color:rgb(173, 91, 68) }
```

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

Here you see how a box with a 4 pixel rgb(173, 91, 68) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 91, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 91, 68);  
box-shadow:4px 4px 4px 4px rgb(173, 91,  
68) }
```


Background

The CSS property to change the background color of an element to Yxy 16.7838, 0.4750, 0.3621 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 91, 68) }
```

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

```
.background{ background-color: rgb(173, 91,  
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