

Converting Colors

$Y_{xy}(15.2593, 0.3892, 0.3462)$

Have a look what the booklet for
Yxy(15.2593, 0.3892, 0.3462)
contains.

Yxy(15.2373, 0.3885, 0.3457)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(15.2373, 0.3885, 0.3457)

Conversions

Conversions Part 1

Format	Color
Hex	8C635A
RGB	140, 99, 90
RGB Percent	55%, 39%, 35%
CMY	0.4510, 0.6118, 0.6470
CMYK	0.00, 0.29, 0.36, 0.45
HSL	11°, 22%, 45%
HSV	11°, 36%, 55%
XYZ	17.1238, 15.2373, 11.7156
YIQ	110.2330, 27.3250, 5.8930

Conversions

Conversions Part 2

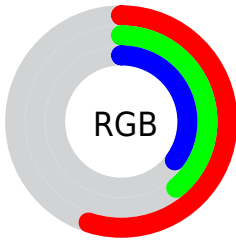
Format	Color
R_{YB}	140, 101, 90
Decimal	9200474
CIE _{Lab}	45.96, 15.34, 11.70
CIE _{LCh}	46, 19.289, 37.333
Yxy	15.2373, 0.3885, 0.3457
Android (android.graphics.Color)	4287390554 (0xFF8C635A)
YUV	110.2330, -9.9749, 26.1057
Hunter-Lab	39.0350, 9.9928, 9.5298

Details

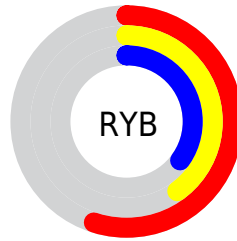
The Yxy color **15.2373, 0.3885, 0.3457** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **20.3075, 0.2618, 0.3114**, and the grayscale version is **15.6874, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.3082, 0.3701, 0.3426**, and **4.7125, 0.4255, 0.3514** is the 20% darker color. If you saturate the color by 10%, you get **12.9980, 0.4197, 0.3504**, and if you desaturate by 10%, it is **17.8326, 0.3621, 0.3408**.

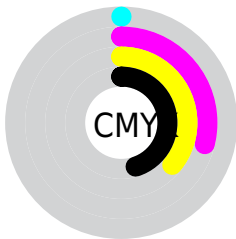
Distribution



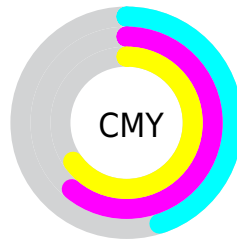
- Red (55%)
- Green (39%)
- Blue (35%)



- Red (55%)
- Yellow (40%)
- Blue (35%)



- Cyan (0%)
- Magenta (29%)
- Yellow (36%)
- Black (45%)





- Cyan (45%)
- Magenta (61%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.2373, 0.3885, 0.3457 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 15.2373, 0.3885, 0.3457 by changing the saturation by 10% instead.


 15.2373, 0.3885,
0.3457


 15.2373, 0.3885,
0.3457


224.7981, 0.3432,
0.3369


 8.9861, 0.4033,
0.3478


 35.2689, 0.3698,
0.3425

 4.7321, 0.4250,
0.3503

 49.8182, 0.3635,
0.3413

 2.0910, 0.4599,
0.3525

 67.9022, 0.3584,
0.3402

 0.6595, 0.6053,
0.3947

 89.9054, 0.3543,
0.3394

 0.0000, 0.0000,
0.0000

 116.2122, 0.3509,
0.3386

147.2070, 0.3479,

0.3380

183.2741, 0.3454,
0.3374

■ 15.2373, 0.3885,
0.3457

■ 15.2373, 0.3885,
0.3457

■ 12.9980, 0.4197,
0.3504

■ 17.8326, 0.3621,
0.3408

■ 11.0968, 0.4557,
0.3543

■ 20.7961, 0.3400,
0.3360

■ 9.5179, 0.4955,
0.3569


■ 24.1424, 0.3217,
0.3315

■ 8.2431, 0.5365,
0.3572


■ 27.8845, 0.3065,
0.3272


■ 7.2523, 0.5748,
0.3546

■ 32.0348, 0.2940,
0.3233


 6.5221, 0.6060,
0.3493

 36.6052, 0.2835,
0.3198

 6.2777, 0.6181,
0.3475

 41.6070, 0.2747,
0.3166

 47.0512, 0.2672,
0.3137

 52.9484, 0.2609,
0.3110

Harmonies

Analogous

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



15.2373, 0.3673, 0.3140



15.2373, 0.3885, 0.3457



15.2373, 0.3877, 0.3756

Triad

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



15.2373, 0.3885, 0.3457



15.2373, 0.2917, 0.3774



15.2373, 0.2597, 0.2658

Complementary

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



15.2373, 0.3885, 0.3457



20.3075, 0.2618, 0.3114

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.



15.2373, 0.2424, 0.2776



15.2373, 0.3885, 0.3457



15.2373, 0.2599, 0.3417

Square

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



15.2373, 0.3885, 0.3457



15.2373, 0.3304, 0.3976



15.2373, 0.2424, 0.3046



15.2373, 0.2914, 0.2696

Rectangle

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



15.2373, 0.3885, 0.3457



15.2373, 0.3751, 0.3907



15.2373, 0.2424, 0.3046



15.2373, 0.2522, 0.2680

Sweetspot

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



15.2380, 0.3885, 0.3457



39.2144, 0.3314, 0.3339



14.5485, 0.3283, 0.2566



8.8783, 0.3336, 0.3345



71.0566, 0.3127, 0.3290



10.6539, 0.3127, 0.3290

Same Dimension

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



15.2380, 0.3885, 0.3457



23.5788, 0.4138, 0.3496



20.5656, 0.3737, 0.3883



5.1846, 0.3276, 0.3330



5.6000, 0.6173, 0.3480



0.0528, 0.5552, 0.3973

Inverse Universe

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



20.3075, 0.2618, 0.3114



33.8943, 0.2515, 0.3067



14.5173, 0.2552, 0.2613



5.5384, 0.2991, 0.3250



12.5723, 0.2090, 0.2722



0.1020, 0.2173, 0.3021

Previews

White Background



This preview shows how the Yxy color 15.2373, 0.3885, 0.3457 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 15.2373, 0.3885, 0.3457 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

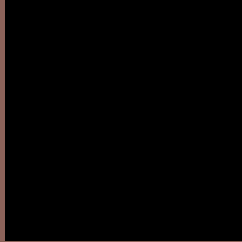
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.2373, 0.3885, 0.3457

Background



This preview shows how black text looks on a background with the Yxy color 15.2373, 0.3885, 0.3457.



This preview shows how white text looks on a background with the Yxy color 15.2373, 0.3885, 0.3457.

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

15.2373, 0.3885, 0.3457

Protanopia

15.3409, 0.3379, 0.3581

Deuteranopia

15.3364, 0.3669, 0.3606



Tritanopia

15.2116, 0.3694, 0.3165

Trichromacy



Original Color

15.2373, 0.3885, 0.3457

Protanomaly

15.1044, 0.3553, 0.3531

Deuteranomaly

15.3273, 0.3756, 0.3560

Tritanomaly

15.2989, 0.3767, 0.3274

Monochromacy



Original Color

15.2373, 0.3885, 0.3457

Achromatopsia

15.5926, 0.3127, 0.3290

Achromatomaly

15.3523, 0.3380, 0.3351

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.2373, 0.3885, 0.3457 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(140, 99, 90)` looks like.

```
.text, #text, p{  
    color:rgb(140, 99, 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(140, 99, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 99, 90) }
```

Border

The CSS property to change the border of an element to Yxy 15.2373, 0.3885, 0.3457 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(140, 99, 90) }
```

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

```
.border{ border-color:rgb(140, 99, 90) }
```

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

Here you see how a box with a 4 pixel rgb(140, 99, 90) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 99, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 99, 90);  
box-shadow:4px 4px 4px 4px rgb(140, 99,  
90) }
```


Background

The CSS property to change the background color of an element to Yxy 15.2373, 0.3885, 0.3457 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 99, 90) }
```

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

```
.background{ background-color: rgb(140, 99,  
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](#).

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