

Converting Colors

$Y_{xy}(15.4521, 0.3790, 0.2594)$

Have a look what the booklet for
Yxy(15.4521, 0.3790, 0.2594)
contains.

Yxy(15.4592, 0.3789, 0.2595)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(15.4592, 0.3789, 0.2595)

Conversions

Conversions Part 1

Format	Color
Hex	A7507E
RGB	167, 80, 126
RGB Percent	65%, 31%, 49%
CMY	0.3451, 0.6863, 0.5058
CMYK	0.00, 0.52, 0.25, 0.35
HSL	328°, 35%, 48%
HSV	328°, 52%, 65%
XYZ	22.5722, 15.4592, 21.5416
YIQ	111.2570, 37.0860, 32.7500

Conversions

Conversions Part 2

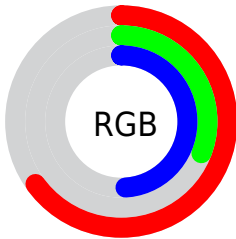
Format	Color
R _Y B	167, 80, 126
Decimal	10965118
CIE Lab	46.26, 41.29, -9.20
CIE LCh	46, 42.298, 347.439
Yxy	15.4592, 0.3789, 0.2595
Android (android.graphics.Color)	4289155198 (0xFFA7507E)
YUV	111.2570, 7.2683, 48.8866
Hunter-Lab	39.3182, 33.6684, -4.9610

Details

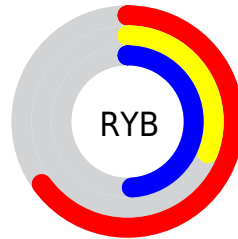
The Yxy color **15.4592, 0.3789, 0.2595** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **30.7228, 0.2772, 0.4139**, and the grayscale version is **15.9460, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.6045, 0.3632, 0.2744**, and **4.8111, 0.4065, 0.2318** is the 20% darker color. If you saturate the color by 10%, you get **13.1158, 0.3984, 0.2487**, and if you desaturate by 10%, it is **18.4279, 0.3616, 0.2722**.

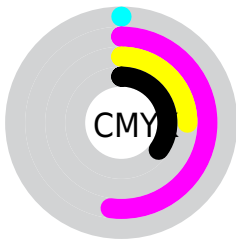
Distribution



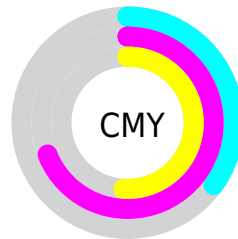
- Red (65%)
- Green (31%)
- Blue (49%)



- Red (65%)
- Yellow (31%)
- Blue (49%)



- Cyan (0%)
- Magenta (52%)
- Yellow (25%)
- Black (35%)



- Cyan (35%)
- Magenta (69%)
- Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.4592, 0.3789, 0.2595 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 15.4592, 0.3789, 0.2595 by changing the saturation by 10% instead.


 15.4592, 0.3789,
0.2595


 15.4592, 0.3789,
0.2595


226.1291, 0.3408,
0.2986


 9.1423, 0.3905,
0.2480


 35.6568, 0.3636,
0.2749


 4.8341, 0.4071,
0.2320


 50.3062, 0.3584,
0.2803


 2.1503, 0.4323,
0.2085

 68.5020, 0.3541,
0.2848

 0.6927, 0.4765,
0.1680

 90.6284, 0.3505,
0.2885

 0.0000, 0.7618,
0.0000

 117.0699, 0.3475,
0.2916

 0.0000, 0.0000,
0.0000

148.2110, 0.3450,

0.2943

184.4359, 0.3428,
0.2966

■ 15.4592, 0.3789,
0.2595

■ 15.4592, 0.3789,
0.2595

■ 13.1158, 0.3984,
0.2487

■ 18.4279, 0.3616,
0.2722

■ 11.3490, 0.4197,
0.2409

■ 22.0611, 0.3467,
0.2859

■ 10.1069, 0.4421,
0.2374

■ 26.3974, 0.3340,
0.2998

■ 9.3269, 0.4646,
0.2390

■ 31.4720, 0.3233,
0.3134

■ 8.9259, 0.4822,
0.2430

■ 37.3175, 0.3144,
0.3264

■ 43.9647, 0.3070,
0.3386

■ 51.4425, 0.3008,
0.3499

■ 59.7786, 0.2957,
0.3603

■ 68.9993, 0.2915,
0.3699

Harmonies

Analogous

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



15.4592, 0.2915, 0.2206



15.4592, 0.3789, 0.2595



15.4592, 0.4531, 0.3131

Triad

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



15.4592, 0.3789, 0.2595



15.4592, 0.3939, 0.4792



15.4592, 0.1687, 0.2490

Complementary

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



15.4592, 0.3789, 0.2595



30.7228, 0.2772, 0.4139

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.



15.4592, 0.1877, 0.3221



15.4592, 0.3789, 0.2595



15.4592, 0.3147, 0.4794

Square

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



15.4592, 0.3789, 0.2595



15.4592, 0.4562, 0.4338



15.4592, 0.2391, 0.4153



15.4592, 0.1804, 0.2107

Rectangle

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



15.4592, 0.3789, 0.2595



15.4592, 0.4779, 0.3530



15.4592, 0.2391, 0.4153



15.4592, 0.1715, 0.2695

Sweetspot

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



15.4600, 0.3789, 0.2595



52.3877, 0.3276, 0.3078



12.5636, 0.2588, 0.1840



11.3238, 0.3297, 0.3051



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



15.4600, 0.3789, 0.2595



22.7611, 0.4026, 0.2468



14.5759, 0.4541, 0.3250



7.6061, 0.3206, 0.3171



6.8401, 0.4802, 0.2419



0.1766, 0.4147, 0.2058

Inverse Universe

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



15.4600, 0.3789, 0.2595



22.7611, 0.4026, 0.2468



32.0269, 0.2484, 0.3338



7.6061, 0.3206, 0.3171



6.8401, 0.4802, 0.2419



0.1766, 0.4147, 0.2058

Previews

White Background



This preview shows how the Yxy color 15.4592, 0.3789, 0.2595 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 15.4592, 0.3789, 0.2595 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

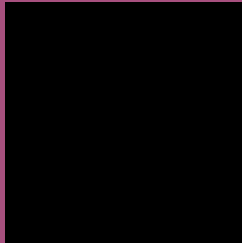
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.4592, 0.3789, 0.2595

Background



This preview shows how black text looks on a background with the Yxy color 15.4592, 0.3789, 0.2595.



This preview shows how white text looks on a background with the Yxy color 15.4592, 0.3789, 0.2595.

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

15.4592, 0.3789, 0.2595

Protanopia

15.7219, 0.2608, 0.2576

Deuteranopia

15.6335, 0.3060, 0.2995



Tritanopia

15.4992, 0.4271, 0.3199

Trichromacy



Original Color

15.4592, 0.3789, 0.2595

Protanomaly

14.8845, 0.2959, 0.2540

Deuteranomaly

15.1303, 0.3323, 0.2818

Tritanomaly

15.3599, 0.4099, 0.2965

Monochromacy



Original Color

15.4592, 0.3789, 0.2595

Achromatopsia

15.8961, 0.3127, 0.3290

Achromatomaly

15.2006, 0.3358, 0.2991

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.4592, 0.3789, 0.2595 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(167, 80, 126)` looks like.

```
.text, #text, p{  
    color:rgb(167, 80, 126)  
}
```

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(167, 80, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 80, 126) }
```

Border

The CSS property to change the border of an element to Yxy 15.4592, 0.3789, 0.2595 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(167, 80, 126) }
```

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

```
.border{ border-color:rgb(167, 80, 126) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 80, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 80, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 80, 126);  
box-shadow:4px 4px 4px 4px rgb(167, 80,  
126) }
```


Background

The CSS property to change the background color of an element to Yxy 15.4592, 0.3789, 0.2595 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 80, 126) }
```

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

```
.background{ background-color: rgb(167, 80,  
126) }
```

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