

Converting Colors

$Y_{xy}(16.1367, 0.3705, 0.2912)$

Have a look what the booklet for
Yxy(16.1367, 0.3705, 0.2912)
contains.

Yxy(16.1598, 0.3697, 0.2908)	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(16.1598, 0.3697, 0.2908)

Conversions

Conversions Part 1

Format	Color
Hex	9A5E75
RGB	154, 94, 117
RGB Percent	60%, 37%, 46%
CMY	0.3960, 0.6314, 0.5412
CMYK	0.00, 0.39, 0.24, 0.40
HSL	337°, 24%, 49%
HSV	337°, 39%, 60%
XYZ	20.5443, 16.1598, 18.8661
YIQ	114.5620, 28.3770, 19.8730

Conversions

Conversions Part 2

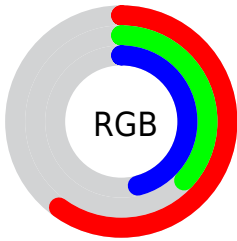
Format	Color
R_{YB}	154, 94, 117
Decimal	10116725
CIE _{Lab}	47.18, 27.73, -2.56
CIE _{LCh}	47, 27.844, 354.721
Yxy	16.1598, 0.3697, 0.2908
Android (android.graphics.Color)	4288306805 (0xFF9A5E75)
YUV	114.5620, 1.2019, 34.5871
Hunter-Lab	40.1993, 20.8758, 0.3139

Details

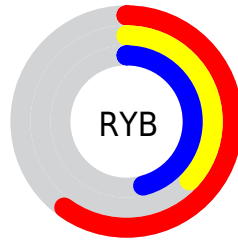
The Yxy color **16.1598, 0.3697, 0.2908** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **27.1394, 0.2775, 0.3715**, and the grayscale version is **16.9952, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.8170, 0.3566, 0.2993**, and **5.1504, 0.3945, 0.2739** is the 20% darker color. If you saturate the color by 10%, you get **13.4773, 0.3919, 0.2813**, and if you desaturate by 10%, it is **19.4131, 0.3509, 0.3009**.

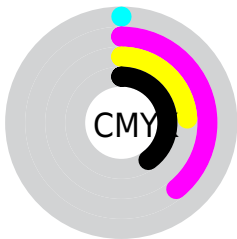
Distribution



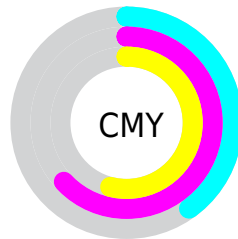
- Red (60%)
- Green (37%)
- Blue (46%)



- Red (60%)
- Yellow (37%)
- Blue (46%)



- Cyan (0%)
- Magenta (39%)
- Yellow (24%)
- Black (40%)





- Cyan (40%)
- Magenta (63%)
- Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.1598, 0.3697, 0.2908 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 16.1598, 0.3697, 0.2908 by changing the saturation by 10% instead.


 16.1598, 0.3697,
0.2908


 16.1598, 0.3697,
0.2908


230.2828, 0.3364,
0.3129


 9.6373, 0.3802,
0.2840


 36.8754, 0.3562,
0.2997


 5.1591, 0.3953,
0.2742

 51.8373, 0.3516,
0.3028

 2.3409, 0.4191,
0.2591


 70.3811, 0.3478,
0.3052

 0.7953, 0.4619,
0.2322

 92.8912, 0.3448,
0.3073

 0.0000, 1.0000,
0.0000

119.7521, 0.3422,
0.3090

 0.0000, 0.0000,
0.0000

151.3480, 0.3400,

0.3105

188.0635, 0.3381,
0.3118

■ 16.1598, 0.3697,
0.2908

■ 16.1598, 0.3697,
0.2908

■ 13.4773, 0.3919,
0.2813

■ 19.4131, 0.3509,
0.3009

■ 11.3300, 0.4176,
0.2731

■ 23.2656, 0.3353,
0.3110

■ 9.6818, 0.4464,
0.2674


■ 27.7464, 0.3224,
0.3207


■ 8.4909, 0.4773,
0.2654


■ 32.8823, 0.3117,
0.3299


■ 7.7090, 0.5084,
0.2680


■ 38.6982, 0.3030,
0.3384


 7.2334, 0.5381,
0.2748

 45.2179, 0.2958,
0.3463

 7.1892, 0.5411,
0.2755

 52.4640, 0.2898,
0.3535

 60.4580, 0.2849,
0.3601

 69.2207, 0.2808,
0.3661

Harmonies

Analogous

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



16.1598, 0.3136, 0.2594



16.1598, 0.3697, 0.2908



16.1598, 0.4113, 0.3315

Triad

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



16.1598, 0.3697, 0.2908



16.1598, 0.3583, 0.4298



16.1598, 0.2132, 0.2692

Complementary

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



16.1598, 0.3697, 0.2908



27.1394, 0.2775, 0.3715

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.



16.1598, 0.2227, 0.3139



16.1598, 0.3697, 0.2908



16.1598, 0.3041, 0.4156

Square

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



16.1598, 0.3697, 0.2908



16.1598, 0.4025, 0.4118



16.1598, 0.2548, 0.3700



16.1598, 0.2268, 0.2455

Rectangle

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



16.1598, 0.3697, 0.2908



16.1598, 0.4229, 0.3605



16.1598, 0.2548, 0.3700



16.1598, 0.2137, 0.2820

Sweetspot

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



16.1606, 0.3697, 0.2908



47.6016, 0.3263, 0.3176



15.1637, 0.2871, 0.2268



10.5521, 0.3278, 0.3165



78.7412, 0.3127, 0.3290



13.2868, 0.3127, 0.3290

Same Dimension

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



16.1606, 0.3697, 0.2908



24.9321, 0.3894, 0.2822



16.9868, 0.4017, 0.3411



6.2599, 0.3227, 0.3205



5.8612, 0.5391, 0.2744



0.0944, 0.4376, 0.2185

Inverse Universe

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



16.1606, 0.3697, 0.2908



24.9321, 0.3894, 0.2822



25.5885, 0.2582, 0.3163



6.2599, 0.3227, 0.3205



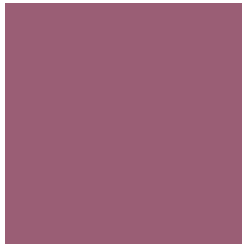
5.8612, 0.5391, 0.2744



0.0944, 0.4376, 0.2185

Previews

White Background



This preview shows how the Yxy color 16.1598, 0.3697, 0.2908 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 16.1598, 0.3697, 0.2908 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

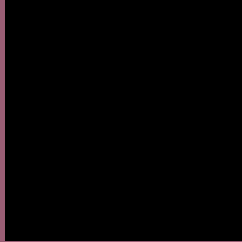
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.1598, 0.3697, 0.2908

Background



This preview shows how black text looks on a background with the Yxy color 16.1598, 0.3697, 0.2908.



This preview shows how white text looks on a background with the Yxy color 16.1598, 0.3697, 0.2908.

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

16.1598, 0.3697, 0.2908

Protanopia

16.2424, 0.2913, 0.2955

Deuteranopia

16.2898, 0.3241, 0.3193



Tritanopia

16.1375, 0.3877, 0.3157

Trichromacy



Original Color

16.1598, 0.3697, 0.2908

Protanomaly

15.9940, 0.3171, 0.2933

Deuteranomaly

16.2068, 0.3406, 0.3088

Tritanomaly

16.0608, 0.3803, 0.3055

Monochromacy



Original Color

16.1598, 0.3697, 0.2908

Achromatopsia

17.1441, 0.3127, 0.3290

Achromatomaly

16.4435, 0.3315, 0.3121

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.1598, 0.3697, 0.2908 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(154, 94, 117)` looks like.

```
.text, #text, p{  
    color:rgb(154, 94, 117)  
}
```

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(154, 94, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 94, 117) }
```

Border

The CSS property to change the border of an element to Yxy 16.1598, 0.3697, 0.2908 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(154, 94, 117) }
```

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

```
.border{ border-color:rgb(154, 94, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 94, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 94, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 94, 117);  
box-shadow:4px 4px 4px 4px rgb(154, 94,  
117) }
```


Background

The CSS property to change the background color of an element to Yxy 16.1598, 0.3697, 0.2908 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 94, 117) }
```

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

```
.background{ background-color: rgb(154, 94,  
117) }
```

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