

Converting Colors

$Y_{xy}(13.3309, 0.3883, 0.2687)$

Have a look what the booklet for
Yxy(13.3309, 0.3883, 0.2687)
contains.

Yxy(13.2699, 0.3884, 0.2692)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(13.2699, 0.3884, 0.2692)

Conversions

Conversions Part 1

Format	Color
Hex	9C4B70
RGB	156, 75, 112
RGB Percent	61%, 29%, 44%
CMY	0.3884, 0.7058, 0.5608
CMYK	0.00, 0.52, 0.28, 0.39
HSL	333°, 35%, 45%
HSV	333°, 52%, 61%
XYZ	19.1457, 13.2699, 16.8782
YIQ	103.4370, 36.3990, 28.6790

Conversions

Conversions Part 2

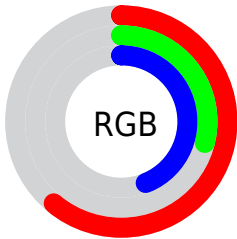
Format	Color
RYB	156, 75, 112
Decimal	10242928
CIELab	43.17, 38.07, -5.42
CIElCh	43, 38.453, 351.891
Yxy	13.2699, 0.3884, 0.2692
Android (android.graphics.Color)	4288433008 (0xFF9C4B70)
YUV	103.4370, 4.2216, 46.0978
Hunter-Lab	36.4279, 30.0671, -1.9715

Details

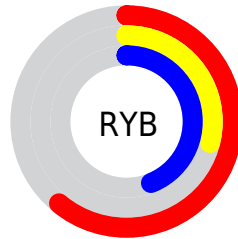
The Yxy color **13.2699, 0.3884, 0.2692** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **26.5951, 0.2731, 0.4009**, and the grayscale version is **13.6684, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.7482, 0.3701, 0.2824**, and **3.8482, 0.4256, 0.2433** is the 20% darker color. If you saturate the color by 10%, you get **11.2270, 0.4113, 0.2599**, and if you desaturate by 10%, it is **15.8506, 0.3683, 0.2802**.

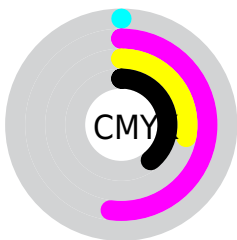
Distribution



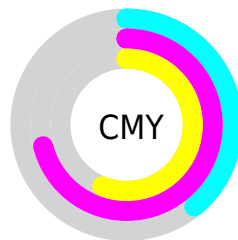
- Red (61%)
- Green (29%)
- Blue (44%)



- Red (61%)
- Yellow (29%)
- Blue (44%)



- Cyan (0%)
- Magenta (52%)
- Yellow (28%)
- Black (39%)





- Cyan (39%)
- Magenta (71%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.2699, 0.3884, 0.2692 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 13.2699, 0.3884, 0.2692 by changing the saturation by 10% instead.


 13.2699, 0.3884,
0.2692


 13.2699, 0.3884,
0.2692


212.6403, 0.3434,
0.3041

 7.6147, 0.4030,
0.2583


 31.7878, 0.3699,
0.2833


 3.8494, 0.4244,
0.2426

 45.4193, 0.3636,
0.2882


 1.5897, 0.4587,
0.2182

 62.4783, 0.3586,
0.2921

 0.3506, 0.5459,
0.1432

 83.3493, 0.3545,
0.2953

 0.0000, 1.0000,
0.0000

 108.4165, 0.3510,
0.2980

 0.0000, 0.0000,
0.0000

138.0645, 0.3481,

0.3004

172.6776, 0.3456,
0.3023

■ 13.2699, 0.3884,
0.2692

■ 13.2699, 0.3884,
0.2692

■ 11.2270, 0.4113,
0.2599

■ 15.8506, 0.3683,
0.2802

■ 9.6808, 0.4366,
0.2536

■ 19.0023, 0.3511,
0.2921

■ 8.5876, 0.4633,
0.2514

■ 22.7577, 0.3366,
0.3041

■ 7.8948, 0.4900,
0.2542

■ 27.1467, 0.3245,
0.3158

■ 7.5224, 0.5113,
0.2590

■ 32.1969, 0.3144,
0.3270

■ 37.9345, 0.3061,
0.3374

■ 44.3841, 0.2992,
0.3471

■ 51.5692, 0.2936,
0.3560

■ 59.5121, 0.2889,
0.3641

Harmonies

Analogous

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



13.2699, 0.3045, 0.2288



13.2699, 0.3884, 0.2692



13.2699, 0.4543, 0.3227

Triad

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



13.2699, 0.3884, 0.2692



13.2699, 0.3808, 0.4766



13.2699, 0.1737, 0.2450

Complementary

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



13.2699, 0.3884, 0.2692



26.5951, 0.2731, 0.4009

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.



13.2699, 0.1878, 0.3105



13.2699, 0.3884, 0.2692



13.2699, 0.3037, 0.4667

Square

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



13.2699, 0.3884, 0.2692



13.2699, 0.4439, 0.4385



13.2699, 0.2332, 0.3985



13.2699, 0.1892, 0.2123

Rectangle

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



13.2699, 0.3884, 0.2692



13.2699, 0.4731, 0.3618



13.2699, 0.2332, 0.3985



13.2699, 0.1750, 0.2631

Sweetspot

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



13.2706, 0.3884, 0.2692



45.6558, 0.3295, 0.3107



11.3008, 0.2665, 0.1881



9.7168, 0.3318, 0.3085



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.



13.2706, 0.3884, 0.2692



19.9752, 0.4146, 0.2589



12.9833, 0.4545, 0.3338



6.6940, 0.3216, 0.3188



6.2059, 0.5096, 0.2581



0.1194, 0.4209, 0.2093

Inverse Universe

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



13.2706, 0.3884, 0.2692



19.9752, 0.4146, 0.2589



26.7669, 0.2461, 0.3239



6.6940, 0.3216, 0.3188



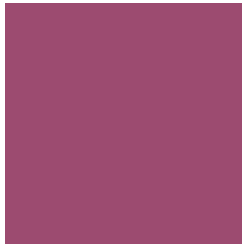
6.2059, 0.5096, 0.2581



0.1194, 0.4209, 0.2093

Previews

White Background



This preview shows how the Yxy color 13.2699, 0.3884, 0.2692 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



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

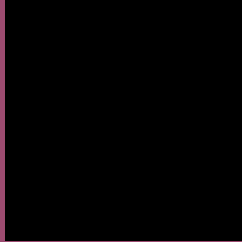
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.2699, 0.3884, 0.2692

Background



This preview shows how black text looks on a background with the Yxy color 13.2699, 0.3884, 0.2692.



This preview shows how white text looks on a background with the Yxy color 13.2699, 0.3884, 0.2692.

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

13.2699, 0.3884, 0.2692

Protanopia

13.5745, 0.2719, 0.2726

Deuteranopia

13.5120, 0.3164, 0.3122



Tritanopia

13.2792, 0.4299, 0.3194

Trichromacy



Original Color

13.2699, 0.3884, 0.2692

Protanomaly

12.9359, 0.3082, 0.2680

Deuteranomaly

13.0983, 0.3424, 0.2941

Tritanomaly

13.2436, 0.4164, 0.3012

Monochromacy



Original Color

13.2699, 0.3884, 0.2692

Achromatopsia

13.5633, 0.3127, 0.3290

Achromatomaly

13.0069, 0.3387, 0.3030

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.2699, 0.3884, 0.2692 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(156, 75, 112)` looks like.

```
.text, #text, p{  
    color:rgb(156, 75, 112)  
}
```

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(156, 75, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 75, 112) }
```

Border

The CSS property to change the border of an element to Yxy 13.2699, 0.3884, 0.2692 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(156, 75, 112) }
```

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

```
.border{ border-color:rgb(156, 75, 112) }
```

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

Here you see how a box with a 4 pixel rgb(156, 75, 112) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 75, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 75, 112);  
box-shadow:4px 4px 4px 4px rgb(156, 75,  
112) }
```


Background

The CSS property to change the background color of an element to Yxy 13.2699, 0.3884, 0.2692 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 75, 112) }
```

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

```
.background{ background-color: rgb(156, 75,  
112) }
```

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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