

Converting Colors

$Y_{xy}(11.9276, 0.2918, 0.2735)$

Have a look what the booklet for
Yxy(11.9276, 0.2918, 0.2735)
contains.

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Color

Yxy(12.0442, 0.2919, 0.2738)

Conversions

Conversions Part 1

Format	Color
Hex	675D77
RGB	103, 93, 119
RGB Percent	40%, 36%, 47%
CMY	0.5960, 0.6353, 0.5333
CMYK	0.13, 0.22, 0.00, 0.53
HSL	263°, 12%, 42%
HSV	263°, 22%, 47%
XYZ	12.8404, 12.0442, 19.1044
YIQ	98.9540, -2.3860, 10.2060

Conversions

Conversions Part 2

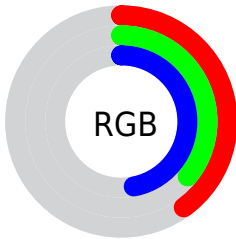
Format	Color
R_{YB}	103, 93, 119
Decimal	6774135
CIE Lab	41.29, 9.63, -13.20
CIE LCh	41, 16.339, 306.127
Yxy	12.0442, 0.2919, 0.2738
Android (android.graphics.Color)	4284964215 (0xFF675D77)
YUV	98.9540, 9.8827, 3.5483
Hunter-Lab	34.7048, 5.3098, -8.3449

Details

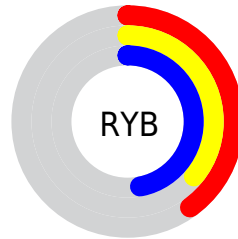
The Yxy color **12.0442, 0.2919, 0.2738** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **17.2366, 0.3305, 0.3829**, and the grayscale version is **12.4414, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.4552, 0.2974, 0.2872**, and **3.3287, 0.2800, 0.2462** is the 20% darker color. If you saturate the color by 10%, you get **9.7020, 0.2802, 0.2455**, and if you desaturate by 10%, it is **14.7504, 0.3022, 0.3003**.

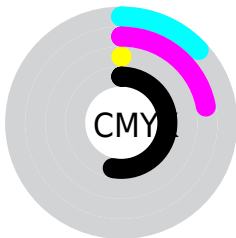
Distribution



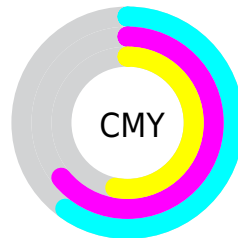
- Red (40%)
- Green (36%)
- Blue (47%)



- Red (40%)
- Yellow (36%)
- Blue (47%)



- Cyan (13%)
- Magenta (22%)
- Yellow (0%)
- Black (53%)



- Cyan (60%)
- Magenta (64%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 12.0442, 0.2919, 0.2738 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 12.0442, 0.2919, 0.2738 by changing the saturation by 10% instead.

■ 12.0442, 0.2919,
0.2738

■ 12.0442, 0.2919,
0.2738

204.6977, 0.3048,
0.3066

■ 6.7738, 0.2873,
0.2632

■ 29.5756, 0.2974,
0.2873

■ 3.3210, 0.2803,
0.2476

■ 42.6053, 0.2992,
0.2918

■ 1.3015, 0.2681,
0.2227

■ 58.9903, 0.3007,
0.2955

■ 0.1424, 0.2323,
0.0893

■ 79.1150, 0.3018,
0.2985

■ 0.0000, 0.0000,
0.0000

103.3636, 0.3028,
0.3010

132.1207, 0.3036,

0.3031

165.7706, 0.3043,
0.3050

■ 12.0442, 0.2919,
0.2738

■ 12.0442, 0.2919,
0.2738

■ 9.7020, 0.2802,
0.2455

■ 14.7504, 0.3022,
0.3003

■ 7.7063, 0.2672,
0.2160

■ 17.8341, 0.3112,
0.3247

■ 6.0405, 0.2531,
0.1862

■ 21.3098, 0.3189,
0.3468

■ 4.6858, 0.2382,
0.1574

■ 25.1910, 0.3255,
0.3668

■ 3.6217, 0.2233,
0.1311

■ 29.4903, 0.3310,
0.3846

■ 2.8249, 0.2089,
0.1088

■ 34.2199, 0.3357,
0.4004

■ 2.2684, 0.1957,
0.0916

■ 39.3914, 0.3397,
0.4145

■ 1.9106, 0.1859,
0.0798

■ 45.0162, 0.3430,
0.4270

■ 51.1050, 0.3458,
0.4382

Harmonies

Analogous

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



12.0442, 0.2631, 0.2710



12.0442, 0.2919, 0.2738



12.0442, 0.3280, 0.2893

Triad

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



12.0442, 0.2919, 0.2738



12.0442, 0.3818, 0.3711



12.0442, 0.2652, 0.3422

Complementary

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



12.0442, 0.2919, 0.2738



17.2366, 0.3305, 0.3829

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.



12.0442, 0.2949, 0.3742



12.0442, 0.2919, 0.2738



12.0442, 0.3627, 0.3898

Square

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



12.0442, 0.2919, 0.2738



12.0442, 0.3816, 0.3435



12.0442, 0.3306, 0.3919



12.0442, 0.2484, 0.3081

Rectangle

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



12.0442, 0.2919, 0.2738



12.0442, 0.3513, 0.3051



12.0442, 0.3306, 0.3919



12.0442, 0.2739, 0.3537

Sweetspot

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



12.0447, 0.2919, 0.2738



28.9090, 0.3066, 0.3120



14.6043, 0.2804, 0.3075



6.7969, 0.3062, 0.3110



62.0916, 0.3127, 0.3290



7.8288, 0.3127, 0.3290

Same Dimension

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



12.0447, 0.2919, 0.2738



19.4726, 0.2865, 0.2604



12.8710, 0.3107, 0.2768



3.6523, 0.3049, 0.3075



2.0243, 0.1856, 0.0796



9.4029, 0.1804, 0.0767

Inverse Universe

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



12.8538, 0.3296, 0.2967



21.2011, 0.3342, 0.2893



16.4751, 0.3138, 0.3858



3.7351, 0.3190, 0.3160



4.6775, 0.4428, 0.2213



22.6229, 0.4511, 0.2259

Previews

White Background



This preview shows how the Yxy color 12.0442, 0.2919, 0.2738 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 12.0442, 0.2919, 0.2738 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

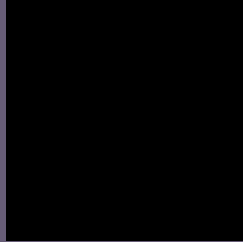
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.0442, 0.2919, 0.2738

Background



This preview shows how black text looks on a background with the Yxy color 12.0442, 0.2919, 0.2738.



This preview shows how white text looks on a background with the Yxy color 12.0442, 0.2919, 0.2738.

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

12.0442, 0.2919, 0.2738

Protanopia

11.9704, 0.2735, 0.2740

Deuteranopia

12.0031, 0.2823, 0.2767



Tritanopia

12.0543, 0.3090, 0.3133

Trichromacy



Original Color

12.0442, 0.2919, 0.2738

Protanomaly

11.9734, 0.2798, 0.2745

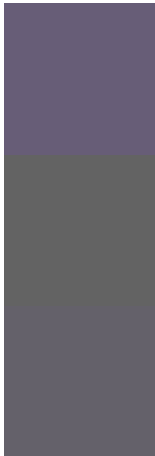
Deuteranomaly

11.9900, 0.2863, 0.2751

Tritanomaly

12.0552, 0.3023, 0.2982

Monochromacy



Original Color

12.0442, 0.2919, 0.2738

Achromatopsia

12.4772, 0.3127, 0.3290

Achromatomaly

12.2993, 0.3048, 0.3090

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.0442, 0.2919, 0.2738 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(103, 93, 119)` looks like.

```
.text, #text, p{  
    color:rgb(103, 93, 119)  
}
```

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(103, 93, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 93, 119) }
```

Border

The CSS property to change the border of an element to Yxy 12.0442, 0.2919, 0.2738 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(103, 93, 119) }
```

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

```
.border{ border-color:rgb(103, 93, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 93, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 93, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 93, 119);  
box-shadow:4px 4px 4px 4px rgb(103, 93,  
119) }
```


Background

The CSS property to change the background color of an element to Yxy 12.0442, 0.2919, 0.2738 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 93, 119) }
```

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

```
.background{ background-color: rgb(103, 93,  
119) }
```

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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