

Converting Colors

$Y_{xy}(15.9311, 0.3011, 0.2656)$

Have a look what the booklet for
Yxy(15.9311, 0.3011, 0.2656)
contains.

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Color

Yxy(16.0475, 0.3011, 0.2656)

Conversions

Conversions Part 1

Format	Color
Hex	7F678A
RGB	127, 103, 138
RGB Percent	50%, 40%, 54%
CMY	0.5019, 0.5961, 0.4589
CMYK	0.08, 0.25, 0.00, 0.46
HSL	281°, 15%, 47%
HSV	281°, 25%, 54%
XYZ	18.1924, 16.0475, 26.1799
YIQ	114.1660, 3.0690, 15.9730

Conversions

Conversions Part 2

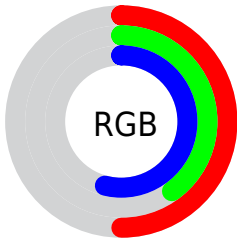
Format	Color
R_{YB}	127, 103, 138
Decimal	8349578
CIE _{Lab}	47.04, 16.44, -15.68
CIE _{LCh}	47, 22.720, 316.355
Yxy	16.0475, 0.3011, 0.2656
Android (android.graphics.Color)	4286539658 (0xFF7F678A)
YUV	114.1660, 11.7502, 11.2554
Hunter-Lab	40.0593, 10.9595, -10.7062

Details

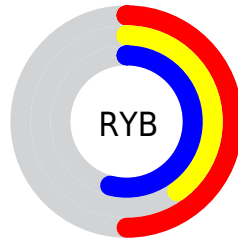
The Yxy color **16.0475, 0.3011, 0.2656** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **22.7283, 0.3215, 0.3957**, and the grayscale version is **16.8439, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.6203, 0.3037, 0.2788**, and **5.1107, 0.2936, 0.2406** is the 20% darker color. If you saturate the color by 10%, you get **13.2011, 0.2951, 0.2390**, and if you desaturate by 10%, it is **19.3625, 0.3063, 0.2916**.

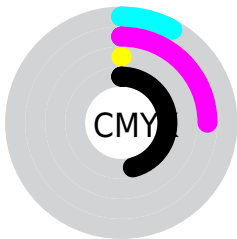
Distribution



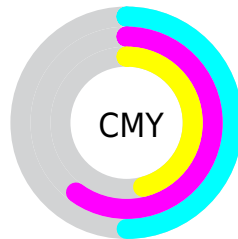
- Red (50%)
- Green (40%)
- Blue (54%)



- Red (50%)
- Yellow (40%)
- Blue (54%)



- Cyan (8%)
- Magenta (25%)
- Yellow (0%)
- Black (46%)





- Cyan (50%)
- Magenta (60%)
- Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 16.0475, 0.3011, 0.2656 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 16.0475, 0.3011, 0.2656 by changing the saturation by 10% instead.


 16.0475, 0.3011,
0.2656

 16.0475, 0.3011,
0.2656


229.6218, 0.3084,
0.3014


 9.5578, 0.2985,
0.2550


 36.6806, 0.3042,
0.2797


 5.1067, 0.2947,
0.2403


 51.5929, 0.3053,
0.2847

 2.3100, 0.2882,
0.2185

 70.0813, 0.3061,
0.2887

 0.7790, 0.2759,
0.1824

 92.5305, 0.3067,
0.2921

 0.0000, 0.1081,
0.0000

119.3248, 0.3072,
0.2950

 0.0000, 0.0000,
0.0000

150.8485, 0.3077,

0.2974

187.4860, 0.3081,
0.2995

■ 16.0475, 0.3011,
0.2656

■ 16.0475, 0.3011,
0.2656

■ 13.2011, 0.2951,
0.2390

■ 19.3625, 0.3063,
0.2916

■ 10.7990, 0.2884,
0.2126

■ 23.1650, 0.3107,
0.3163

■ 8.8175, 0.2810,
0.1872

■ 27.4753, 0.3143,
0.3396

■ 7.2301, 0.2731,
0.1641

■ 32.3118, 0.3174,
0.3610

■ 6.0069, 0.2648,
0.1442

■ 37.6920, 0.3198,
0.3807

■ 5.1139, 0.2566,
0.1284

■ 43.6328, 0.3218,
0.3986

■ 4.5021, 0.2485,
0.1170

■ 50.1501, 0.3234,
0.4147

■ 4.2547, 0.2448,
0.1122

■ 57.2593, 0.3247,
0.4293

■ 64.9751, 0.3256,
0.4424

Harmonies

Analogous

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



16.0475, 0.2611, 0.2562



16.0475, 0.3011, 0.2656



16.0475, 0.3473, 0.2891

Triad

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



16.0475, 0.3011, 0.2656



16.0475, 0.3939, 0.3908



16.0475, 0.2439, 0.3298

Complementary

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



16.0475, 0.3011, 0.2656



22.7283, 0.3215, 0.3957

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.



16.0475, 0.2758, 0.3742



16.0475, 0.3011, 0.2656



16.0475, 0.3625, 0.4096

Square

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



16.0475, 0.3011, 0.2656



16.0475, 0.4031, 0.3584



16.0475, 0.3190, 0.4048



16.0475, 0.2301, 0.2893

Rectangle

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



16.0475, 0.3011, 0.2656



16.0475, 0.3747, 0.3103



16.0475, 0.3190, 0.4048



16.0475, 0.2527, 0.3450

Sweetspot

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



16.0482, 0.3011, 0.2656



38.8659, 0.3095, 0.3095



16.7699, 0.2728, 0.2823



8.5106, 0.3089, 0.3062



69.2071, 0.3127, 0.3290



10.0482, 0.3127, 0.3290

Same Dimension

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



16.0482, 0.3011, 0.2656



25.5414, 0.2981, 0.2516



16.7562, 0.3238, 0.2788



5.0517, 0.3091, 0.3071



3.9094, 0.2451, 0.1124



0.0338, 0.2818, 0.1326

Inverse Universe

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



16.3159, 0.3480, 0.3092



26.1236, 0.3578, 0.3048



22.1707, 0.3033, 0.3851



5.0727, 0.3235, 0.3222



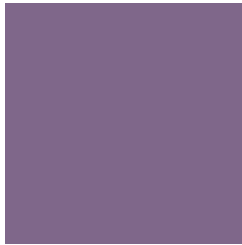
5.1180, 0.5646, 0.2884



0.0364, 0.4592, 0.2303

Previews

White Background



This preview shows how the Yxy color 16.0475, 0.3011, 0.2656 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 16.0475, 0.3011, 0.2656 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 16.0475, 0.3011, 0.2656

Background



This preview shows how black text looks on a background with the Yxy color 16.0475, 0.3011, 0.2656.



This preview shows how white text looks on a background with the Yxy color 16.0475, 0.3011, 0.2656.

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

16.0475, 0.3011, 0.2656

Protanopia

16.0186, 0.2671, 0.2653

Deuteranopia

16.0584, 0.2812, 0.2751



Tritanopia

16.0614, 0.3245, 0.3117

Trichromacy



Original Color

16.0475, 0.3011, 0.2656

Protanomaly

15.8832, 0.2791, 0.2647

Deuteranomaly

16.0345, 0.2883, 0.2723

Tritanomaly

16.1233, 0.3157, 0.2951

Monochromacy



Original Color

16.0475, 0.3011, 0.2656

Achromatopsia

16.8269, 0.3127, 0.3290

Achromatomaly

16.5039, 0.3086, 0.3039

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.0475, 0.3011, 0.2656 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(127, 103, 138)` looks like.

```
.text, #text, p{  
    color:rgb(127, 103, 138)  
}
```

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(127, 103, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 103, 138) }
```

Border

The CSS property to change the border of an element to Yxy 16.0475, 0.3011, 0.2656 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(127, 103, 138) }
```

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

```
.border{ border-color:rgb(127, 103, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 103, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 103, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 103, 138);  
box-shadow:4px 4px 4px 4px rgb(127, 103,  
138) }
```


Background

The CSS property to change the background color of an element to Yxy 16.0475, 0.3011, 0.2656 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 103, 138) }
```

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

```
.background{ background-color: rgb(127,  
103, 138) }
```

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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