

Converting Colors

$Y_{xy}(15.6235, 0.2914, 0.2574)$

Have a look what the booklet for
Yxy(15.6235, 0.2914, 0.2574)
contains.

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Color

Yxy(15.6368, 0.2923, 0.2578)

Conversions

Conversions Part 1

Format	Color
Hex	7B668D
RGB	123, 102, 141
RGB Percent	48%, 40%, 55%
CMY	0.5176, 0.6000, 0.4470
CMYK	0.13, 0.28, 0.00, 0.45
HSL	272°, 16%, 48%
HSV	272°, 28%, 55%
XYZ	17.7294, 15.6368, 27.2886
YIQ	112.7250, -0.0030, 16.5810

Conversions

Conversions Part 2

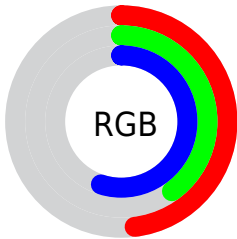
Format	Color
R _Y B	123, 102, 141
Decimal	8087181
CIE Lab	46.49, 16.31, -18.35
CIE LCh	46, 24.551, 311.641
Yxy	15.6368, 0.2923, 0.2578
Android (android.graphics.Color)	4286277261 (0xFF7B668D)
YUV	112.7250, 13.9396, 9.0112
Hunter-Lab	39.5434, 10.8300, -13.2352

Details

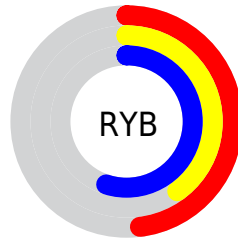
The Yxy color **15.6368, 0.2923, 0.2578** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **24.0064, 0.3287, 0.4012**, and the grayscale version is **16.3866, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.9527, 0.2975, 0.2732**, and **4.9436, 0.2820, 0.2294** is the 20% darker color. If you saturate the color by 10%, you get **12.6335, 0.2828, 0.2296**, and if you desaturate by 10%, it is **19.1448, 0.3007, 0.2850**.

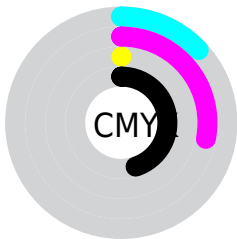
Distribution



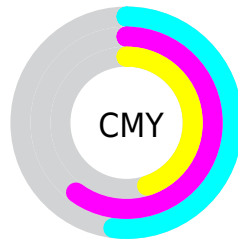
- Red (48%)
- Green (40%)
- Blue (55%)



- Red (48%)
- Yellow (40%)
- Blue (55%)



- Cyan (13%)
- Magenta (28%)
- Yellow (0%)
- Black (45%)



- Cyan (52%)
- Magenta (60%)
- Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 15.6368, 0.2923, 0.2578 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 15.6368, 0.2923, 0.2578 by changing the saturation by 10% instead.

■ 15.6368, 0.2923,
0.2578

■ 15.6368, 0.2923,
0.2578

■ 227.1889, 0.3048,
0.2980

■ 9.2675, 0.2881,
0.2460

■ 35.9665, 0.2976,
0.2737

■ 4.9161, 0.2818,
0.2295

■ 50.6957, 0.2993,
0.2792

■ 2.1981, 0.2716,
0.2053

■ 68.9804, 0.3007,
0.2838

■ 0.7190, 0.2533,
0.1648

■ 91.2048, 0.3018,
0.2876

■ 0.0000, 0.0330,
0.0000

■ 117.7535, 0.3028,
0.2908

■ 0.0000, 0.0000,
0.0000

149.0109, 0.3036,

0.2935

185.3612, 0.3042,
0.2959

■ 15.6368, 0.2923,
0.2578

■ 15.6368, 0.2923,
0.2578

■ 12.6335, 0.2828,
0.2296

■ 19.1448, 0.3007,
0.2850

■ 10.1085, 0.2723,
0.2013

■ 23.1783, 0.3079,
0.3106

■ 8.0358, 0.2609,
0.1739

■ 27.7593, 0.3141,
0.3344

■ 6.3863, 0.2490,
0.1487

■ 32.9080, 0.3193,
0.3561

■ 5.1270, 0.2370,
0.1269

■ 38.6435, 0.3236,
0.3758

4.2201, 0.2255,
0.1097

44.9839, 0.3272,
0.3935

3.5921, 0.2146,
0.0970

51.9466, 0.3302,
0.4095

3.4579, 0.2121,
0.0942

59.5484, 0.3327,
0.4237

67.8054, 0.3347,
0.4365

Harmonies

Analogous

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



15.6368, 0.2512, 0.2502



15.6368, 0.2923, 0.2578



15.6368, 0.3425, 0.2809

Triad

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



15.6368, 0.2923, 0.2578



15.6368, 0.4044, 0.3908



15.6368, 0.2422, 0.3374

Complementary

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



15.6368, 0.2923, 0.2578



24.0064, 0.3287, 0.4012

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.



15.6368, 0.2792, 0.3853



15.6368, 0.2923, 0.2578



15.6368, 0.3731, 0.4150

Square

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



15.6368, 0.2923, 0.2578



15.6368, 0.4102, 0.3542



15.6368, 0.3270, 0.4149



15.6368, 0.2242, 0.2914

Rectangle

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



15.6368, 0.2923, 0.2578



15.6368, 0.3739, 0.3028



15.6368, 0.3270, 0.4149



15.6368, 0.2527, 0.3541

Sweetspot

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



15.6375, 0.2923, 0.2578



41.1134, 0.3076, 0.3094



18.2305, 0.2699, 0.2890



8.9512, 0.3066, 0.3060



71.0566, 0.3127, 0.3290



10.6539, 0.3127, 0.3290

Same Dimension

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



15.6375, 0.2923, 0.2578



24.6453, 0.2867, 0.2409



17.0512, 0.3175, 0.2647



5.3890, 0.3069, 0.3068



3.1618, 0.2125, 0.0944



0.0434, 0.2597, 0.1204

Inverse Universe

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



16.5222, 0.3440, 0.2972



26.5432, 0.3532, 0.2899



22.8640, 0.3079, 0.4030



5.4629, 0.3214, 0.3189



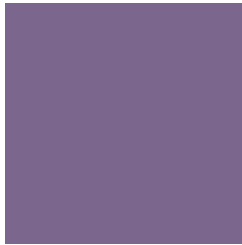
5.5151, 0.5065, 0.2564



0.0571, 0.4133, 0.2050

Previews

White Background



This preview shows how the Yxy color 15.6368, 0.2923, 0.2578 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 15.6368, 0.2923, 0.2578 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

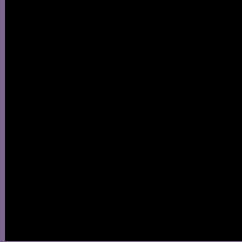
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.6368, 0.2923, 0.2578

Background



This preview shows how black text looks on a background with the Yxy color 15.6368, 0.2923, 0.2578.



This preview shows how white text looks on a background with the Yxy color 15.6368, 0.2923, 0.2578.

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

15.6368, 0.2923, 0.2578

Protanopia

15.7219, 0.2608, 0.2576

Deuteranopia

15.6827, 0.2732, 0.2671



Tritanopia

15.6751, 0.3189, 0.3133

Trichromacy



Original Color

15.6368, 0.2923, 0.2578

Protanomaly

15.5098, 0.2711, 0.2568

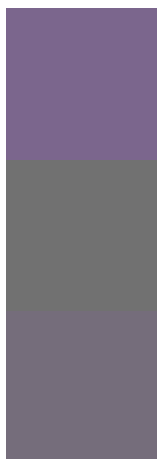
Deuteranomaly

15.6463, 0.2800, 0.2644

Tritanomaly

15.5515, 0.3090, 0.2924

Monochromacy



Original Color

15.6368, 0.2923, 0.2578

Achromatopsia

16.5132, 0.3127, 0.3290

Achromatomaly

16.1492, 0.3060, 0.3017

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.6368, 0.2923, 0.2578 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(123, 102, 141)` looks like.

```
.text, #text, p{  
    color:rgb(123, 102, 141)  
}
```

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(123, 102, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 102, 141) }
```

Border

The CSS property to change the border of an element to Yxy 15.6368, 0.2923, 0.2578 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(123, 102, 141) }
```

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

```
.border{ border-color:rgb(123, 102, 141) }
```

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

Here you see how a box with a 4 pixel rgb(123, 102, 141) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 102, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 102, 141);  
box-shadow:4px 4px 4px 4px rgb(123, 102,  
141) }
```


Background

The CSS property to change the background color of an element to Yxy 15.6368, 0.2923, 0.2578 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 102, 141) }
```

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

```
.background{ background-color: rgb(123,  
102, 141) }
```

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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