

Converting Colors

$Y_{xy}(15.2660, 0.2777, 0.1710)$

Have a look what the booklet for
Yxy(15.2660, 0.2777, 0.1710)
contains.

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Color

Yxy(15.2660, 0.2777, 0.1710)

Conversions

Conversions Part 1

Format	Color
Hex	9A49BC
RGB	154, 73, 188
RGB Percent	60%, 29%, 74%
CMY	0.3959, 0.7138, 0.2627
CMYK	0.18, 0.61, 0.00, 0.26
HSL	282°, 46%, 51%
HSV	282°, 61%, 74%
XYZ	24.7916, 15.2660, 49.2172
YIQ	110.3290, 11.3610, 52.9370

Conversions

Conversions Part 2

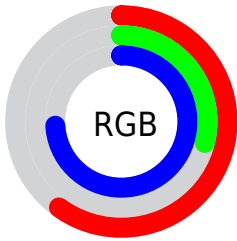
Format	Color
RYB	154, 73, 188
Decimal	10111420
CIELab	46.00, 52.24, -46.60
CIELCh	46, 70.005, 318.266
Yxy	15.2660, 0.2777, 0.1710
Android (android.graphics.Color)	4288301500 (0xFF9A49BC)
YUV	110.3290, 38.2918, 38.2995
Hunter-Lab	39.0717, 44.8855, -47.3352

Details

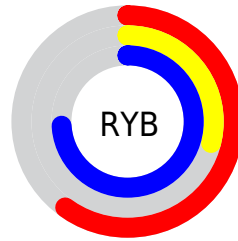
The Yxy color **15.2660, 0.2777, 0.1710** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **39.5693, 0.3260, 0.5111**, and the grayscale version is **15.5767, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.3632, 0.2875, 0.2001**, and **4.7445, 0.2580, 0.1271** is the 20% darker color. If you saturate the color by 10%, you get **12.6272, 0.2698, 0.1501**, and if you desaturate by 10%, it is **18.6777, 0.2852, 0.1951**.

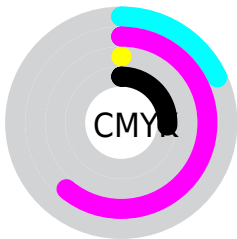
Distribution



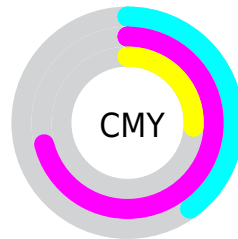
- Red (60%)
- Green (29%)
- Blue (74%)



- Red (60%)
- Yellow (29%)
- Blue (74%)



- Cyan (18%)
- Magenta (61%)
- Yellow (0%)
- Black (26%)




- Cyan (40%)
- Magenta (71%)
- Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.2660, 0.2777, 0.1710 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 15.2660, 0.2777, 0.1710 by changing the saturation by 10% instead.


 15.2660, 0.2777,
0.1710


 15.2660, 0.2777,
0.1710


224.9706, 0.3010,
0.2515


 9.0063, 0.2698,
0.1514


 35.3192, 0.2876,
0.2001


 4.7453, 0.2585,
0.1271


 49.8814, 0.2909,
0.2112

 2.0986, 0.2413,
0.0968

 67.9799, 0.2935,
0.2205

 0.6638, 0.2140,
0.0587

 89.9991, 0.2956,
0.2285

 0.0000, 0.1708,
0.0000

 116.3234, 0.2973,
0.2354

 0.0000, 0.0000,
0.0000

147.3371, 0.2987,

0.2415

183.4248, 0.2999,
0.2468

■ 15.2660, 0.2777,
0.1710

■ 15.2660, 0.2777,
0.1710

■ 12.6272, 0.2698,
0.1501

■ 18.6777, 0.2852,
0.1951

■ 10.6893, 0.2618,
0.1332

■ 22.9217, 0.2921,
0.2213

■ 9.3700, 0.2540,
0.1211

■ 28.0537, 0.2983,
0.2483

■ 8.5765, 0.2473,
0.1136

■ 34.1240, 0.3038,
0.2753

■ 41.1790, 0.3084,
0.3014

■ 49.2621, 0.3123,
0.3262

■ 58.4140, 0.3155,
0.3492

■ 68.6732, 0.3181,
0.3705

■ 80.0762, 0.3202,
0.3898

Harmonies

Analogous

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



15.2660, 0.1758, 0.1460



15.2660, 0.2777, 0.1710



15.2660, 0.4218, 0.2237

Triad

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



15.2660, 0.2777, 0.1710



15.2660, 0.5142, 0.4630



15.2660, 0.1218, 0.3022

Complementary

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



15.2660, 0.2777, 0.1710



39.5693, 0.3260, 0.5111

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.



15.2660, 0.1860, 0.4762



15.2660, 0.2777, 0.1710



15.2660, 0.4098, 0.5575

Square

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



15.2660, 0.2777, 0.1710



15.2660, 0.5734, 0.3724



15.2660, 0.2928, 0.5916



15.2660, 0.1043, 0.1950

Rectangle

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



15.2660, 0.2777, 0.1710



15.2660, 0.5119, 0.2697



15.2660, 0.2928, 0.5916



15.2660, 0.1374, 0.3555

Sweetspot

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



15.2666, 0.2777, 0.1710



65.3515, 0.3052, 0.2830



15.6626, 0.2077, 0.1899



13.2924, 0.3038, 0.2752



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



15.2666, 0.2777, 0.1710



21.6997, 0.2674, 0.1445



18.1697, 0.3494, 0.2122



9.5510, 0.3092, 0.3061



5.8791, 0.2482, 0.1141



0.2625, 0.2663, 0.1241

Inverse Universe

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



16.5134, 0.4443, 0.2847



24.6126, 0.4906, 0.2817



38.2265, 0.2917, 0.4882



9.5815, 0.3243, 0.3222



7.4819, 0.5750, 0.2941



0.3049, 0.5047, 0.2554

Previews

White Background



This preview shows how the Yxy color 15.2660, 0.2777, 0.1710 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 15.2660, 0.2777, 0.1710 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

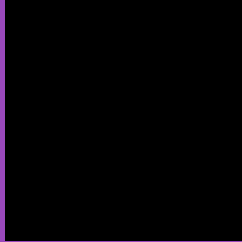
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.2660, 0.2777, 0.1710

Background



This preview shows how black text looks on a background with the Yxy color 15.2660, 0.2777, 0.1710.



This preview shows how white text looks on a background with the Yxy color 15.2660, 0.2777, 0.1710.

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

15.2660, 0.2777, 0.1710

Protanopia

15.5566, 0.1775, 0.1488

Deuteranopia

15.5448, 0.2063, 0.2009



Tritanopia

15.2116, 0.3694, 0.3165

Trichromacy



Original Color

15.2660, 0.2777, 0.1710



Protanomaly

13.8486, 0.1932, 0.1472



Deuteranomaly

14.4969, 0.2234, 0.1824



Tritanomaly

14.8397, 0.3325, 0.2502

Monochromacy



Original Color

15.2660, 0.2777, 0.1710



Achromatopsia

15.5926, 0.3127, 0.3290



Achromatomaly

14.8200, 0.2997, 0.2543

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.2660, 0.2777, 0.1710 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, 73, 188)` looks like.

```
.text, #text, p{  
    color:rgb(154, 73, 188)  
}
```

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, 73, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 73, 188) }
```

Border

The CSS property to change the border of an element to Yxy 15.2660, 0.2777, 0.1710 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, 73, 188) }
```

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

```
.border{ border-color:rgb(154, 73, 188) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 73, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 73, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 73, 188);  
box-shadow:4px 4px 4px 4px rgb(154, 73,  
188) }
```


Background

The CSS property to change the background color of an element to Yxy 15.2660, 0.2777, 0.1710 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 73, 188) }
```

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

```
.background{ background-color: rgb(154, 73,  
188) }
```

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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