

Converting Colors

$Yxy(15.3142, 0.2890, 0.1583)$

Have a look what the booklet for
Yxy(15.3142, 0.2890, 0.1583)
contains.

Yxy(15.2639, 0.2881, 0.1576)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(15.2639, 0.2881, 0.1576)

Conversions

Conversions Part 1

Format	Color
Hex	AA37C4
RGB	170, 55, 196
RGB Percent	67%, 22%, 77%
CMY	0.3334, 0.7842, 0.2315
CMYK	0.13, 0.72, 0.00, 0.23
HSL	289°, 56%, 49%
HSV	289°, 72%, 77%
XYZ	27.9031, 15.2639, 53.6852
YIQ	105.4590, 23.2790, 68.2310

Conversions

Conversions Part 2

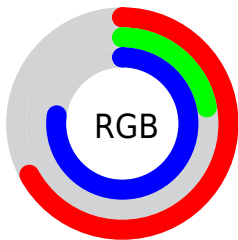
Format	Color
R _Y B	170, 55, 196
Decimal	11155396
CIE Lab	45.99, 65.09, -51.12
CIE LCh	46, 82.766, 321.859
Yxy	15.2639, 0.2881, 0.1576
Android (android.graphics.Color)	4289345476 (0xFFAA37C4)
YUV	105.4590, 44.6367, 56.6025
Hunter-Lab	39.0690, 59.1139, -54.1226

Details

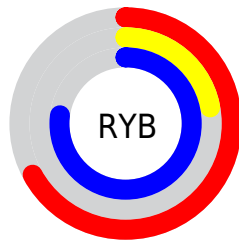
The Yxy color **15.2639, 0.2881, 0.1576** is a dark color, and the websafe version is hex **9933CC**. The color can be described as middle muted purple. A complement of this color would be **41.4950, 0.3147, 0.5482**, and the grayscale version is **14.1327, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.1742, 0.2961, 0.1876**, and **5.4338, 0.2722, 0.1273** is the 20% darker color. If you saturate the color by 10%, you get **13.3598, 0.2832, 0.1434**, and if you desaturate by 10%, it is **17.9194, 0.2928, 0.1760**.

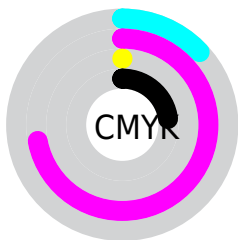
Distribution



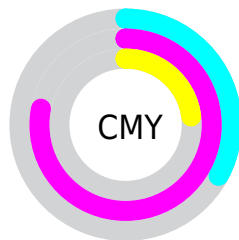
- Red (67%)
- Green (22%)
- Blue (77%)



- Red (67%)
- Yellow (22%)
- Blue (77%)



- Cyan (13%)
- Magenta (72%)
- Yellow (0%)
- Black (23%)





- Cyan (33%)
- Magenta (78%)
- Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.2639, 0.2881, 0.1576 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 15.2639, 0.2881, 0.1576 by changing the saturation by 10% instead.


 15.2639, 0.2881,
0.1576

 15.2639, 0.2881,
0.1576


224.9580, 0.3064,
0.2426


 9.0048, 0.2814,
0.1378


 35.3155, 0.2963,
0.1877


 4.7443, 0.2716,
0.1137


 49.8767, 0.2989,
0.1993


 2.0980, 0.2565,
0.0846


 67.9742, 0.3009,
0.2092

 0.6635, 0.2323,
0.0496

 89.9922, 0.3025,
0.2178

 0.0000, 0.1939,
0.0000

 116.3152, 0.3038,
0.2252

 0.0000, 0.0496,
0.0000

147.3276, 0.3048,

 0.0000, 0.0000,

0.2317

0.0000

183.4137, 0.3057,
0.2375

■ 15.2639, 0.2881,
0.1576

■ 15.2639, 0.2881,
0.1576

■ 13.3598, 0.2832,
0.1434

■ 17.9194, 0.2928,
0.1760

■ 12.1116, 0.2784,
0.1338

■ 21.4026, 0.2972,
0.1978

■ 11.4417, 0.2745,
0.1286

■ 25.7824, 0.3012,
0.2221

■ 31.1202, 0.3048,
0.2478

■ 37.4715, 0.3078,
0.2739

■ 44.8880, 0.3103,
0.2997

■ 53.4176, 0.3124,
0.3244

■ 63.1051, 0.3140,
0.3477

■ 73.9933, 0.3153,
0.3694

Harmonies

Analogous

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



15.2639, 0.1681, 0.1274



15.2639, 0.2881, 0.1576



15.2639, 0.4601, 0.2170

Triad

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



15.2639, 0.2881, 0.1576



15.2639, 0.5195, 0.4805



15.2639, 0.0936, 0.2723

Complementary

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



15.2639, 0.2881, 0.1576



41.4950, 0.3147, 0.5482

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.



15.2639, 0.1519, 0.4795



15.2639, 0.2881, 0.1576



15.2639, 0.3942, 0.5990

Square

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



15.2639, 0.2881, 0.1576



15.2639, 0.6014, 0.3743



15.2639, 0.2627, 0.6386



15.2639, 0.0833, 0.1656

Rectangle

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



15.2639, 0.2881, 0.1576



15.2639, 0.5608, 0.2666



15.2639, 0.2627, 0.6386



15.2639, 0.1066, 0.3314

Sweetspot

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



15.2645, 0.2881, 0.1576



67.3716, 0.3077, 0.2728



11.0178, 0.1849, 0.1391



13.7062, 0.3069, 0.2656



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



15.2645, 0.2881, 0.1576



22.8451, 0.2806, 0.1376



16.7907, 0.3797, 0.2130



10.1506, 0.3109, 0.3061



7.3885, 0.2751, 0.1289



0.3442, 0.2859, 0.1349

Inverse Universe

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



15.0622, 0.5120, 0.3011



23.0273, 0.5739, 0.3061



41.1508, 0.2839, 0.4974



10.1076, 0.3261, 0.3248



7.6326, 0.6093, 0.3130



0.3392, 0.5497, 0.2802

Previews

White Background



This preview shows how the Yxy color 15.2639, 0.2881, 0.1576 looks on a white background.

Color Contrast Check

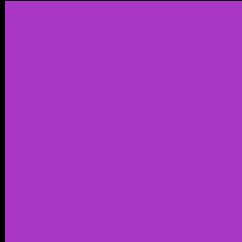
Large Text (above 18pt) WCAG AA ✓ Pass

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 15.2639, 0.2881, 0.1576 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

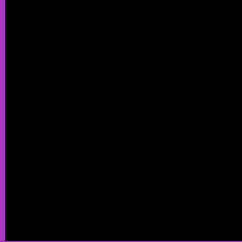
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.2639, 0.2881, 0.1576

Background



This preview shows how black text looks on a background with the Yxy color 15.2639, 0.2881, 0.1576.

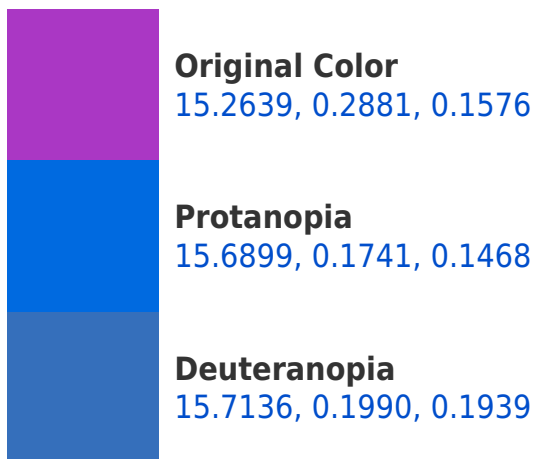


This preview shows how white text looks on a background with the Yxy color 15.2639, 0.2881, 0.1576.

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





Tritanopia

15.3250, 0.4100, 0.3194

Trichromacy



Original Color

15.2639, 0.2881, 0.1576



Protanomaly

12.6956, 0.1838, 0.1331



Deuteranomaly

13.6867, 0.2179, 0.1670



Tritanomaly

14.6551, 0.3627, 0.2447

Monochromacy



Original Color

15.2639, 0.2881, 0.1576



Achromatopsia

14.1263, 0.3127, 0.3290



Achromatomaly

13.3185, 0.3040, 0.2375

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.2639, 0.2881, 0.1576 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(170, 55, 196)` looks like.

```
.text, #text, p{  
    color:rgb(170, 55, 196)  
}
```

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(170, 55, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 55, 196) }
```

Border

The CSS property to change the border of an element to Yxy 15.2639, 0.2881, 0.1576 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(170, 55, 196) }
```

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

```
.border{ border-color:rgb(170, 55, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 55, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 55, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 55, 196);  
box-shadow:4px 4px 4px 4px rgb(170, 55,  
196) }
```


Background

The CSS property to change the background color of an element to Yxy 15.2639, 0.2881, 0.1576 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 55, 196) }
```

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

```
.background{ background-color: rgb(170, 55,  
196) }
```

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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