

Converting Colors

$Y_{xy}(15.1889, 0.2813, 0.1513)$

Have a look what the booklet for
Yxy(15.1889, 0.2813, 0.1513)
contains.

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Color

Yxy(15.1080, 0.2815, 0.1512)

Conversions

Conversions Part 1

Format	Color
Hex	A934C9
RGB	169, 52, 201
RGB Percent	66%, 20%, 79%
CMY	0.3373, 0.7959, 0.2118
CMYK	0.16, 0.74, 0.00, 0.21
HSL	287°, 59%, 50%
HSV	287°, 74%, 79%
XYZ	28.1277, 15.1080, 56.6850
YIQ	103.9690, 21.9030, 71.1430

Conversions

Conversions Part 2

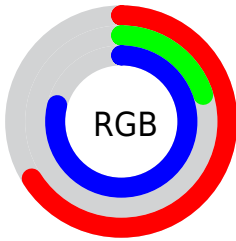
Format	Color
R _Y B	169, 52, 201
Decimal	11089097
CIE Lab	45.78, 66.90, -54.37
CIE LCh	46, 86.206, 320.897
Yxy	15.1080, 0.2815, 0.1512
Android (android.graphics.Color)	4289279177 (0xFFA934C9)
YUV	103.9690, 47.8363, 57.0322
Hunter-Lab	38.8690, 61.1512, -59.2578

Details

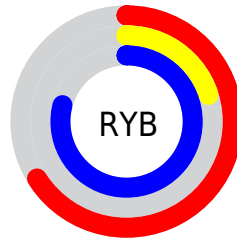
The Yxy color **15.1080, 0.2815, 0.1512** is a dark color, and the websafe version is hex **9933CC**. The color can be described as middle muted purple. A complement of this color would be **43.9038, 0.3167, 0.5524**, and the grayscale version is **13.7045, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.8658, 0.2945, 0.1846**, and **5.5201, 0.2636, 0.1226** is the 20% darker color. If you saturate the color by 10%, you get **13.2090, 0.2757, 0.1374**, and if you desaturate by 10%, it is **17.7875, 0.2872, 0.1693**.

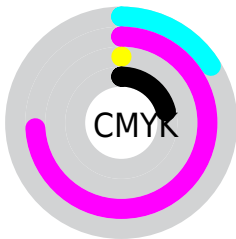
Distribution



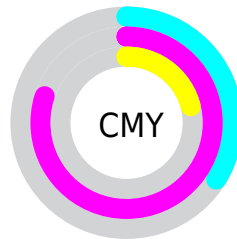
- Red (66%)
- Green (20%)
- Blue (79%)



- Red (66%)
- Yellow (20%)
- Blue (79%)



- Cyan (16%)
- Magenta (74%)
- Yellow (0%)
- Black (21%)





- Cyan (34%)
- Magenta (80%)
- Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.1080, 0.2815, 0.1512 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 15.1080, 0.2815, 0.1512 by changing the saturation by 10% instead.


 15.1080, 0.2815,
0.1512


 15.1080, 0.2815,
0.1512


224.0190, 0.3037,
0.2386


 8.8952, 0.2738,
0.1312


 35.0425, 0.2912,
0.1819


 4.6729, 0.2626,
0.1071


 49.5331, 0.2944,
0.1938


 2.0566, 0.2459,
0.0785


 67.5517, 0.2968,
0.2040

 0.6401, 0.2199,
0.0445

 89.4827, 0.2988,
0.2128

 0.0000, 0.1794,
0.0000

 115.7105, 0.3004,
0.2205

 0.0000, 0.0504,
0.0000

146.6196, 0.3017,

 0.0000, 0.0000,

0.2273

0.0000

182.5943, 0.3028,
0.2333

■ 15.1080, 0.2815,
0.1512

■ 15.1080, 0.2815,
0.1512

■ 13.2090, 0.2757,
0.1374

■ 17.7875, 0.2872,
0.1693

■ 11.9841, 0.2700,
0.1282

■ 21.3319, 0.2926,
0.1911

■ 11.4645, 0.2667,
0.1243

■ 25.8168, 0.2975,
0.2155

■ 31.3089, 0.3019,
0.2414

■ 37.8687, 0.3058,
0.2678

■ 45.5518, 0.3091,
0.2939

■ 54.4102, 0.3118,
0.3191

■ 64.4925, 0.3139,
0.3428

■ 75.8443, 0.3157,
0.3648

Harmonies

Analogous

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



15.1080, 0.1606, 0.1217



15.1080, 0.2815, 0.1512



15.1080, 0.4601, 0.2107

Triad

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



15.1080, 0.2815, 0.1512



15.1080, 0.5247, 0.4753



15.1080, 0.0883, 0.2738

Complementary

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



15.1080, 0.2815, 0.1512



43.9038, 0.3167, 0.5524

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.



15.1080, 0.1481, 0.4948



15.1080, 0.2815, 0.1512



15.1080, 0.3968, 0.6032

Square

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



15.1080, 0.2815, 0.1512



15.1080, 0.6112, 0.3683



15.1080, 0.2614, 0.6550



15.1080, 0.0776, 0.1619

Rectangle

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



15.1080, 0.2815, 0.1512



15.1080, 0.5670, 0.2606



15.1080, 0.2614, 0.6550



15.1080, 0.1016, 0.3366

Sweetspot

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



15.1086, 0.2815, 0.1512



67.0653, 0.3064, 0.2726



11.3371, 0.1823, 0.1364



13.6331, 0.3055, 0.2653



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.



15.1086, 0.2815, 0.1512



21.2066, 0.2722, 0.1313



17.3715, 0.3787, 0.2085



10.6972, 0.3104, 0.3060



7.2504, 0.2675, 0.1247



0.3728, 0.2792, 0.1312

Inverse Universe

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



15.5166, 0.5136, 0.2961



22.6263, 0.5754, 0.3029



43.3119, 0.2850, 0.5073



10.6736, 0.3256, 0.3241



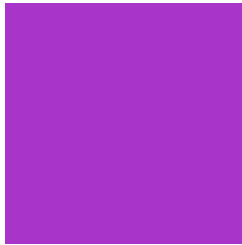
7.9295, 0.6014, 0.3086



0.3865, 0.5420, 0.2760

Previews

White Background



This preview shows how the Yxy color 15.1080, 0.2815, 0.1512 looks on a white background.

Color Contrast Check

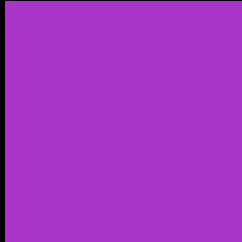
Large Text (above 18pt) WCAG AA ✓ Pass

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 15.1080, 0.2815, 0.1512 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

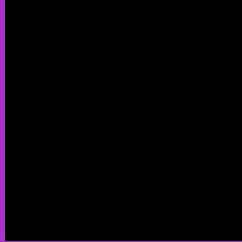
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.1080, 0.2815, 0.1512

Background



This preview shows how black text looks on a background with the Yxy color 15.1080, 0.2815, 0.1512.



This preview shows how white text looks on a background with the Yxy color 15.1080, 0.2815, 0.1512.

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

15.1080, 0.2815, 0.1512

Protanopia

15.4309, 0.1739, 0.1461

Deuteranopia

15.3448, 0.1915, 0.1858



Tritanopia

15.0454, 0.4039, 0.3175

Trichromacy



Original Color

15.1080, 0.2815, 0.1512



Protanomaly

12.5540, 0.1827, 0.1310



Deuteranomaly

13.0633, 0.2066, 0.1563



Tritanomaly

14.2891, 0.3536, 0.2377

Monochromacy



Original Color

15.1080, 0.2815, 0.1512



Achromatopsia

13.8432, 0.3127, 0.3290



Achromatomaly

12.9503, 0.3013, 0.2321

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.1080, 0.2815, 0.1512 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(169, 52, 201)` looks like.

```
.text, #text, p{  
    color:rgb(169, 52, 201)  
}
```

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(169, 52, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 52, 201) }
```

Border

The CSS property to change the border of an element to Yxy 15.1080, 0.2815, 0.1512 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(169, 52, 201) }
```

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

```
.border{ border-color:rgb(169, 52, 201) }
```

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

Here you see how a box with a 4 pixel rgb(169, 52, 201) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 52, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 52, 201);  
box-shadow:4px 4px 4px 4px rgb(169, 52,  
201) }
```


Background

The CSS property to change the background color of an element to Yxy 15.1080, 0.2815, 0.1512 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 52, 201) }
```

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

```
.background{ background-color: rgb(169, 52,  
201) }
```

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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