

Converting Colors

$Y_{xy}(15.6901, 0.3110, 0.2093)$

Have a look what the booklet for
Yxy(15.6901, 0.3110, 0.2093)
contains.

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Color

Yxy(15.8113, 0.3115, 0.2101)

Conversions

Conversions Part 1

Format	Color
Hex	9D52A2
RGB	157, 82, 162
RGB Percent	62%, 32%, 64%
CMY	0.3844, 0.6784, 0.3647
CMYK	0.03, 0.49, 0.00, 0.36
HSL	296°, 33%, 48%
HSV	296°, 49%, 64%
XYZ	23.4423, 15.8113, 36.0025
YIQ	113.5450, 19.0200, 40.7800

Conversions

Conversions Part 2

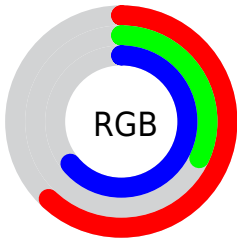
Format	Color
R_{YB}	157, 82, 162
Decimal	10310306
CIE _{Lab}	46.73, 43.19, -30.15
CIE _{LCh}	47, 52.675, 325.082
Yxy	15.8113, 0.3115, 0.2101
Android (android.graphics.Color)	4288500386 (0xFF9D52A2)
YUV	113.5450, 23.8883, 38.1100
Hunter-Lab	39.7634, 35.6475, -25.8478

Details

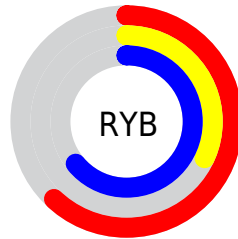
The Yxy color **15.8113, 0.3115, 0.2101** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **28.4807, 0.3095, 0.4797**, and the grayscale version is **16.6081, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.2061, 0.3133, 0.2339**, and **4.9893, 0.3054, 0.1713** is the 20% darker color. If you saturate the color by 10%, you get **13.5482, 0.3107, 0.1899**, and if you desaturate by 10%, it is **18.6535, 0.3121, 0.2328**.

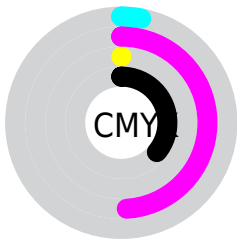
Distribution



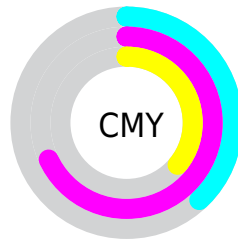
- Red (62%)
- Green (32%)
- Blue (64%)



- Red (62%)
- Yellow (32%)
- Blue (64%)



- Cyan (3%)
- Magenta (49%)
- Yellow (0%)
- Black (36%)





- Cyan (38%)
- Magenta (68%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.8113, 0.3115, 0.2101 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 15.8113, 0.3115, 0.2101 by changing the saturation by 10% instead.


 15.8113, 0.3115,
0.2101


 15.8113, 0.3115,
0.2101


228.2257, 0.3145,
0.2734


 9.3907, 0.3097,
0.1933


 36.2703, 0.3133,
0.2339


 4.9969, 0.3064,
0.1713


 51.0775, 0.3137,
0.2426

 2.2454, 0.3004,
0.1418

 69.4491, 0.3140,
0.2499

 0.7446, 0.2882,
0.1004

 91.7693, 0.3142,
0.2561

 0.0000, 0.2695,
0.0000

 118.4227, 0.3143,
0.2613

 0.0000, 0.0000,
0.0000

149.7937, 0.3144,

0.2659

186.2665, 0.3144,
0.2699

■ 15.8113, 0.3115,
0.2101

■ 15.8113, 0.3115,
0.2101

■ 13.5482, 0.3107,
0.1899

■ 18.6535, 0.3121,
0.2328

■ 11.8210, 0.3096,
0.1730

■ 22.1098, 0.3125,
0.2570

■ 10.5834, 0.3084,
0.1600


■ 26.2152, 0.3127,
0.2818


■ 9.7810, 0.3070,
0.1513

■ 31.0012, 0.3128,
0.3065


■ 9.2971, 0.3055,
0.1459


■ 36.4973, 0.3127,
0.3305

 9.2692, 0.3054,
0.1456

 42.7313, 0.3125,
0.3532

 49.7295, 0.3122,
0.3745

 57.5169, 0.3119,
0.3942

 66.1174, 0.3115,
0.4122

Harmonies

Analogous

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



15.8113, 0.2207, 0.1830



15.8113, 0.3115, 0.2101



15.8113, 0.4204, 0.2598

Triad

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



15.8113, 0.3115, 0.2101



15.8113, 0.4652, 0.4657



15.8113, 0.1542, 0.2904

Complementary

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



15.8113, 0.3115, 0.2101



28.4807, 0.3095, 0.4797

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.



15.8113, 0.2026, 0.4072



15.8113, 0.3115, 0.2101



15.8113, 0.3815, 0.5198

Square

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



15.8113, 0.3115, 0.2101



15.8113, 0.5136, 0.3935



15.8113, 0.2859, 0.5070



15.8113, 0.1433, 0.2150

Rectangle

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



15.8113, 0.3115, 0.2101



15.8113, 0.4803, 0.3013



15.8113, 0.2859, 0.5070



15.8113, 0.1659, 0.3261

Sweetspot

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



15.8120, 0.3115, 0.2101



50.9905, 0.3128, 0.2920



11.2753, 0.2226, 0.1868



11.0714, 0.3128, 0.2870



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



15.8120, 0.3115, 0.2101



24.3272, 0.3106, 0.1885



15.2596, 0.3689, 0.2585



7.1795, 0.3128, 0.3068



7.3086, 0.3055, 0.1457



0.1599, 0.3115, 0.1490

Inverse Universe

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



14.4070, 0.4383, 0.3215



21.5445, 0.4834, 0.3205



28.9147, 0.2808, 0.4143



7.0928, 0.3275, 0.3276



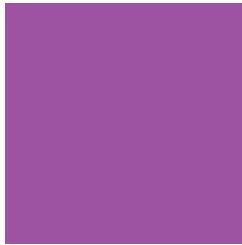
6.0716, 0.6313, 0.3252



0.1296, 0.5930, 0.3041

Previews

White Background



This preview shows how the Yxy color 15.8113, 0.3115, 0.2101 looks on a white background.

Color Contrast Check

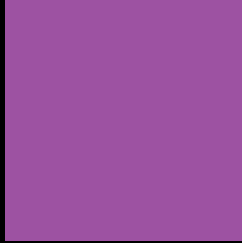
Large Text (above 18pt) WCAG AA ✓ Pass

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 15.8113, 0.3115, 0.2101 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

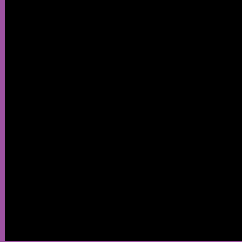
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.8113, 0.3115, 0.2101

Background



This preview shows how black text looks on a background with the Yxy color 15.8113, 0.3115, 0.2101.



This preview shows how white text looks on a background with the Yxy color 15.8113, 0.3115, 0.2101.

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

15.8113, 0.3115, 0.2101

Protanopia

16.1455, 0.2144, 0.1974

Deuteranopia

16.0191, 0.2462, 0.2408



Tritanopia

15.7346, 0.3834, 0.3171

Trichromacy



Original Color

15.8113, 0.3115, 0.2101

Protanomaly

15.2862, 0.2400, 0.1974

Deuteranomaly

15.4691, 0.2666, 0.2256

Tritanomaly

15.6128, 0.3569, 0.2741

Monochromacy



Original Color

15.8113, 0.3115, 0.2101

Achromatopsia

16.8269, 0.3127, 0.3290

Achromatomaly

15.8873, 0.3138, 0.2762

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.8113, 0.3115, 0.2101 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(157, 82, 162)` looks like.

```
.text, #text, p{  
    color:rgb(157, 82, 162)  
}
```

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(157, 82, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 82, 162) }
```

Border

The CSS property to change the border of an element to Yxy 15.8113, 0.3115, 0.2101 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(157, 82, 162) }
```

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

```
.border{ border-color:rgb(157, 82, 162) }
```

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

Here you see how a box with a 4 pixel rgb(157, 82, 162) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 82, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 82, 162);  
box-shadow:4px 4px 4px 4px rgb(157, 82,  
162) }
```


Background

The CSS property to change the background color of an element to Yxy 15.8113, 0.3115, 0.2101 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 82, 162) }
```

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

```
.background{ background-color: rgb(157, 82,  
162) }
```

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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