

Converting Colors

$Y_{xy}(15.3242, 0.3198, 0.2013)$

Have a look what the booklet for
Yxy(15.3242, 0.3198, 0.2013)
contains.

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Color

$Y_{xy}(15.3019, 0.3201, 0.2015)$

Conversions

Conversions Part 1

Format	Color
Hex	A449A3
RGB	164, 73, 163
RGB Percent	64%, 29%, 64%
CMY	0.3568, 0.7138, 0.3607
CMYK	0.00, 0.56, 0.01, 0.36
HSL	301°, 38%, 46%
HSV	301°, 56%, 64%
XYZ	24.3084, 15.3019, 36.3297
YIQ	110.4690, 25.3460, 47.2820

Conversions

Conversions Part 2

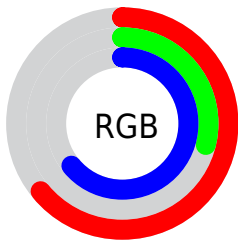
Format	Color
RYB	164, 73, 163
Decimal	10766755
CIELab	46.04, 49.94, -31.74
CIELCh	46, 59.176, 327.560
Yxy	15.3019, 0.3201, 0.2015
Android (android.graphics.Color)	4288956835 (0xFFA449A3)
YUV	110.4690, 25.8978, 46.9467
Hunter-Lab	39.1176, 42.4671, -27.6820

Details

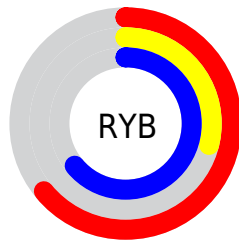
The Yxy color **15.3019, 0.3201, 0.2015** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **28.4708, 0.3039, 0.5013**, and the grayscale version is **15.6522, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.3558, 0.3205, 0.2269**, and **4.7406, 0.3163, 0.1604** is the 20% darker color. If you saturate the color by 10%, you get **13.4183, 0.3212, 0.1846**, and if you desaturate by 10%, it is **17.7552, 0.3188, 0.2216**.

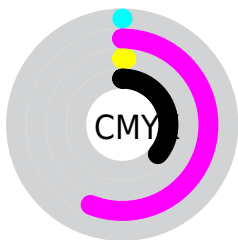
Distribution



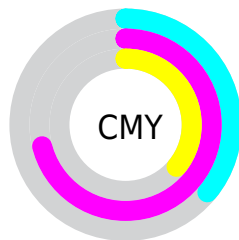
- Red (64%)
- Green (29%)
- Blue (64%)



- Red (64%)
- Yellow (29%)
- Blue (64%)



- Cyan (0%)
- Magenta (56%)
- Yellow (1%)
- Black (36%)





- Cyan (36%)
- Magenta (71%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.3019, 0.3201, 0.2015 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 15.3019, 0.3201, 0.2015 by changing the saturation by 10% instead.


 15.3019, 0.3201,
0.2015


 15.3019, 0.3201,
0.2015


225.1863, 0.3186,
0.2689


 9.0315, 0.3194,
0.1839


 35.3819, 0.3202,
0.2267


 4.7618, 0.3177,
0.1610


 49.9604, 0.3201,
0.2360


 2.1082, 0.3136,
0.1307

 68.0770, 0.3198,
0.2437

 0.6692, 0.3046,
0.0880

 90.1162, 0.3196,
0.2503

 0.0000, 0.2895,
0.0000

 116.4623, 0.3193,
0.2559

 0.0000, 0.0000,
0.0000

147.4998, 0.3191,

0.2608

183.6130, 0.3188,
0.2651

■ 15.3019, 0.3201,
0.2015

■ 15.3019, 0.3201,
0.2015

■ 13.4183, 0.3212,
0.1846

■ 17.7552, 0.3188,
0.2216

■ 12.0566, 0.3222,
0.1714

■ 20.8170, 0.3175,
0.2440

■ 11.1646, 0.3229,
0.1624

■ 24.5250, 0.3161,
0.2677

■ 10.6742, 0.3235,
0.1574

■ 28.9131, 0.3148,
0.2920

■ 10.5114, 0.3237,
0.1557

■ 34.0133, 0.3134,
0.3161

■ 39.8550, 0.3122,
0.3393

■ 46.4664, 0.3110,
0.3614

■ 53.8741, 0.3099,
0.3820

■ 62.1032, 0.3089,
0.4011

Harmonies

Analogous

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



15.3019, 0.2166, 0.1701



15.3019, 0.3201, 0.2015



15.3019, 0.4439, 0.2565

Triad

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



15.3019, 0.3201, 0.2015



15.3019, 0.4711, 0.4819



15.3019, 0.1352, 0.2739

Complementary

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



15.3019, 0.3201, 0.2015



28.4708, 0.3039, 0.5013

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.



15.3019, 0.1824, 0.4060



15.3019, 0.3201, 0.2015



15.3019, 0.3753, 0.5460

Square

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



15.3019, 0.3201, 0.2015



15.3019, 0.5332, 0.4007



15.3019, 0.2705, 0.5291



15.3019, 0.1279, 0.1966

Rectangle

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



15.3019, 0.3201, 0.2015



15.3019, 0.5088, 0.3014



15.3019, 0.2705, 0.5291



15.3019, 0.1460, 0.3128

Sweetspot

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



15.3026, 0.3201, 0.2015



50.9265, 0.3150, 0.2876



8.8592, 0.2079, 0.1557



10.7952, 0.3153, 0.2830



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.



15.3026, 0.3201, 0.2015



23.5769, 0.3215, 0.1805



13.9777, 0.3898, 0.2595



7.2008, 0.3139, 0.3071



8.0571, 0.3237, 0.1557



0.1697, 0.3226, 0.1551

Inverse Universe

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



15.3026, 0.3201, 0.2015



23.5769, 0.3215, 0.1805



29.2965, 0.2739, 0.4152



7.2008, 0.3139, 0.3071



8.0571, 0.3237, 0.1557



0.1697, 0.3226, 0.1551

Previews

White Background



This preview shows how the Yxy color 15.3019, 0.3201, 0.2015 looks on a white background.

Color Contrast Check

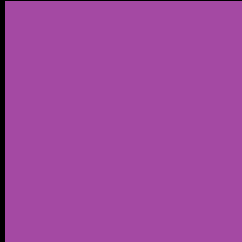
Large Text (above 18pt) WCAG AA ✓ Pass

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 15.3019, 0.3201, 0.2015 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

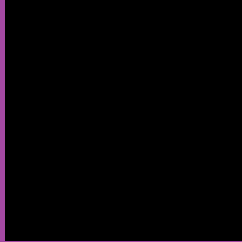
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.3019, 0.3201, 0.2015

Background



This preview shows how black text looks on a background with the Yxy color 15.3019, 0.3201, 0.2015.



This preview shows how white text looks on a background with the Yxy color 15.3019, 0.3201, 0.2015.

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

15.3019, 0.3201, 0.2015

Protanopia

15.6677, 0.2033, 0.1830

Deuteranopia

15.6469, 0.2431, 0.2382



Tritanopia

15.2433, 0.4068, 0.3176

Trichromacy



Original Color

15.3019, 0.3201, 0.2015

Protanomaly

14.5049, 0.2314, 0.1840

Deuteranomaly

14.7205, 0.2660, 0.2186

Tritanomaly

15.0921, 0.3742, 0.2699

Monochromacy



Original Color

15.3019, 0.3201, 0.2015

Achromatopsia

15.5926, 0.3127, 0.3290

Achromatomaly

14.8802, 0.3169, 0.2703

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.3019, 0.3201, 0.2015 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(164, 73, 163)` looks like.

```
.text, #text, p{  
    color:rgb(164, 73, 163)  
}
```

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(164, 73, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 73, 163) }
```

Border

The CSS property to change the border of an element to Yxy 15.3019, 0.3201, 0.2015 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(164, 73, 163) }
```

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

```
.border{ border-color:rgb(164, 73, 163) }
```

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

Here you see how a box with a 4 pixel rgb(164, 73, 163) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 73, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 73, 163);  
box-shadow:4px 4px 4px 4px rgb(164, 73,  
163) }
```


Background

The CSS property to change the background color of an element to Yxy 15.3019, 0.3201, 0.2015 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 73, 163) }
```

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

```
.background{ background-color: rgb(164, 73,  
163) }
```

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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