

Converting Colors

$Y_{xy}(15.5058, 0.2966, 0.1791)$

Have a look what the booklet for
Yxy(15.5058, 0.2966, 0.1791)
contains.

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Color

Yxy(15.5030, 0.2964, 0.1792)

Conversions

Conversions Part 1

Format	Color
Hex	A346B5
RGB	163, 70, 181
RGB Percent	64%, 27%, 71%
CMY	0.3606, 0.7256, 0.2901
CMYK	0.10, 0.61, 0.00, 0.29
HSL	290°, 44%, 49%
HSV	290°, 61%, 71%
XYZ	25.6422, 15.5030, 45.3670
YIQ	110.4610, 19.7970, 54.2370

Conversions

Conversions Part 2

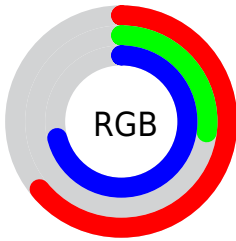
Format	Color
R_{YB}	163, 70, 181
Decimal	10700469
CIE _{Lab}	46.32, 54.48, -41.94
CIE _{LCh}	46, 68.751, 322.410
Yxy	15.5030, 0.2964, 0.1792
Android (android.graphics.Color)	4288890549 (0xFFA346B5)
YUV	110.4610, 34.7757, 46.0767
Hunter-Lab	39.3738, 47.3440, -40.7530

Details

The Yxy color **15.5030, 0.2964, 0.1792** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **35.5693, 0.3150, 0.5175**, and the grayscale version is **15.6239, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.7454, 0.3023, 0.2078**, and **4.8507, 0.2846, 0.1370** is the 20% darker color. If you saturate the color by 10%, you get **13.2656, 0.2924, 0.1611**, and if you desaturate by 10%, it is **18.4312, 0.3001, 0.2007**.

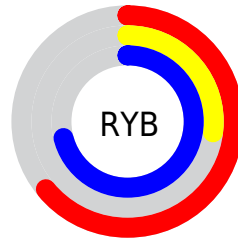
Distribution



Red (64%)

Green (27%)

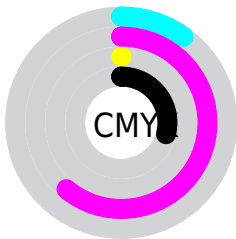
Blue (71%)



Red (64%)

Yellow (27%)

Blue (71%)

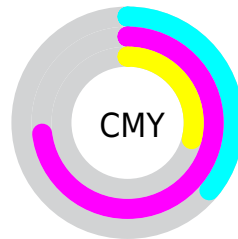


Cyan (10%)

Magenta (61%)

Yellow (0%)

Black (29%)



Cyan (36%)


Magenta (73%)

Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.5030, 0.2964, 0.1792 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 15.5030, 0.2964, 0.1792 by changing the saturation by 10% instead.

 15.5030, 0.2964,
0.1792


 15.5030, 0.2964,
0.1792


226.3909, 0.3091,
0.2561


 9.1732, 0.2914,
0.1602


 35.7332, 0.3023,
0.2072


 4.8543, 0.2838,
0.1363


 50.4024, 0.3041,
0.2177

 2.1620, 0.2716,
0.1061

 68.6201, 0.3055,
0.2266

 0.6992, 0.2506,
0.0674

 90.7708, 0.3066,
0.2342

 0.0000, 0.2162,
0.0000

 117.2388, 0.3074,
0.2408

 0.0000, 0.0000,
0.0000

148.4085, 0.3081,

0.2465

184.6644, 0.3087,
0.2516

■ 15.5030, 0.2964,
0.1792

■ 15.5030, 0.2964,
0.1792

■ 13.2656, 0.2924,
0.1611

■ 18.4312, 0.3001,
0.2007

■ 11.6535, 0.2882,
0.1470

■ 22.1040, 0.3035,
0.2247

■ 10.5919, 0.2840,
0.1374

■ 26.5719, 0.3064,
0.2500

■ 9.9847, 0.2803,
0.1318

■ 31.8806, 0.3089,
0.2758

■ 38.0722, 0.3109,
0.3013

■ 45.1860, 0.3125,
0.3258

■ 53.2590, 0.3138,
0.3489

■ 62.3261, 0.3147,
0.3704

■ 72.4203, 0.3154,
0.3902

Harmonies

Analogous

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



15.5030, 0.1891, 0.1505



15.5030, 0.2964, 0.1792



15.5030, 0.4395, 0.2346

Triad

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



15.5030, 0.2964, 0.1792



15.5030, 0.4994, 0.4755



15.5030, 0.1202, 0.2842

Complementary

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



15.5030, 0.2964, 0.1792



35.5693, 0.3150, 0.5175

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.



15.5030, 0.1771, 0.4483



15.5030, 0.2964, 0.1792



15.5030, 0.3940, 0.5641

Square

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



15.5030, 0.2964, 0.1792



15.5030, 0.5651, 0.3847



15.5030, 0.2786, 0.5786



15.5030, 0.1078, 0.1887

Rectangle

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



15.5030, 0.2964, 0.1792



15.5030, 0.5222, 0.2813



15.5030, 0.2786, 0.5786



15.5030, 0.1335, 0.3329

Sweetspot

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



15.5037, 0.2964, 0.1792



60.2932, 0.3095, 0.2837



11.6953, 0.2018, 0.1640



12.3771, 0.3089, 0.2763



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



15.5037, 0.2964, 0.1792



22.5047, 0.2908, 0.1551



16.2157, 0.3721, 0.2296



8.5757, 0.3113, 0.3064



6.9069, 0.2809, 0.1321



0.2359, 0.2927, 0.1386

Inverse Universe

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



14.9057, 0.4715, 0.3055



21.6542, 0.5302, 0.3053



35.4175, 0.2829, 0.4617



8.5270, 0.3262, 0.3253



6.8415, 0.6140, 0.3156



0.2221, 0.5473, 0.2789

Previews

White Background



This preview shows how the Yxy color 15.5030, 0.2964, 0.1792 looks on a white background.

Color Contrast Check

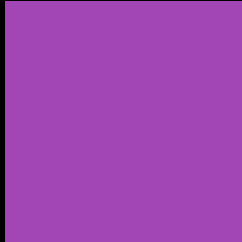
Large Text (above 18pt) WCAG AA ✓ Pass

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 15.5030, 0.2964, 0.1792 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

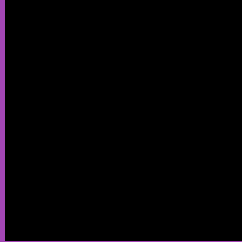
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.5030, 0.2964, 0.1792

Background



This preview shows how black text looks on a background with the Yxy color 15.5030, 0.2964, 0.1792.



This preview shows how white text looks on a background with the Yxy color 15.5030, 0.2964, 0.1792.

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

15.5030, 0.2964, 0.1792

Protanopia

15.9655, 0.1831, 0.1571

Deuteranopia

15.7037, 0.2177, 0.2121



Tritanopia

15.4242, 0.3942, 0.3173

Trichromacy



Original Color

15.5030, 0.2964, 0.1792



Protanomaly

14.2956, 0.2042, 0.1568



Deuteranomaly

14.4845, 0.2380, 0.1906



Tritanomaly

15.1499, 0.3566, 0.2583

Monochromacy



Original Color

15.5030, 0.2964, 0.1792



Achromatopsia

15.5926, 0.3127, 0.3290



Achromatomaly

14.6291, 0.3064, 0.2548

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.5030, 0.2964, 0.1792 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(163, 70, 181)` looks like.

```
.text, #text, p{  
  color:rgb(163, 70, 181)  
}
```

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(163, 70, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 70, 181) }
```

Border

The CSS property to change the border of an element to Yxy 15.5030, 0.2964, 0.1792 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(163, 70, 181) }
```

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

```
.border{ border-color:rgb(163, 70, 181) }
```

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

Here you see how a box with a 4 pixel rgb(163, 70, 181) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 70, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 70, 181);  
box-shadow:4px 4px 4px 4px rgb(163, 70,  
181) }
```


Background

The CSS property to change the background color of an element to Yxy 15.5030, 0.2964, 0.1792 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 70, 181) }
```

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

```
.background{ background-color: rgb(163, 70,  
181) }
```

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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