

Converting Colors

$Y_{xy}(15.1717, 0.2971, 0.1650)$

Have a look what the booklet for
Yxy(15.1717, 0.2971, 0.1650)
contains.

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Color

Yxy(15.2583, 0.2972, 0.1652)

Conversions

Conversions Part 1

Format	Color
Hex	AB39BD
RGB	171, 57, 189
RGB Percent	67%, 22%, 74%
CMY	0.3293, 0.7766, 0.2587
CMYK	0.10, 0.70, 0.00, 0.26
HSL	292°, 54%, 48%
HSV	292°, 70%, 74%
XYZ	27.4502, 15.2583, 49.6541
YIQ	106.1340, 25.5720, 65.2200

Conversions

Conversions Part 2

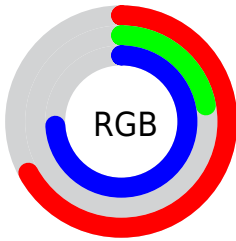
Format	Color
R_{YB}	171, 57, 189
Decimal	11221437
CIE _{Lab}	45.99, 63.32, -47.07
CIE _{LCh}	46, 78.899, 323.373
Yxy	15.2583, 0.2972, 0.1652
Android (android.graphics.Color)	4289411517 (0xFFAB39BD)
YUV	106.1340, 40.8529, 56.8875
Hunter-Lab	39.0619, 57.0800, -48.0241

Details

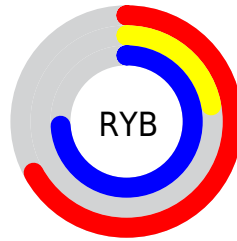
The Yxy color **15.2583, 0.2972, 0.1652** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **38.1928, 0.3114, 0.5447**, and the grayscale version is **14.3288, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.3465, 0.3030, 0.1948**, and **5.3941, 0.2847, 0.1342** is the 20% darker color. If you saturate the color by 10%, you get **13.4403, 0.2938, 0.1511**, and if you desaturate by 10%, it is **17.7785, 0.3004, 0.1834**.

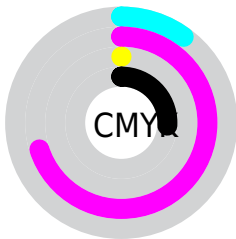
Distribution



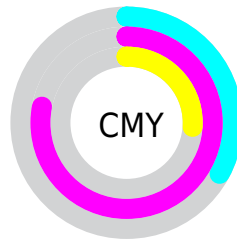
- Red (67%)
- Green (22%)
- Blue (74%)



- Red (67%)
- Yellow (22%)
- Blue (74%)



- Cyan (10%)
- Magenta (70%)
- Yellow (0%)
- Black (26%)





- Cyan (33%)
- Magenta (78%)
- Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 15.2583, 0.2972, 0.1652 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 15.2583, 0.2972, 0.1652 by changing the saturation by 10% instead.


 15.2583, 0.2972,
0.1652


 15.2583, 0.2972,
0.1652


224.9244, 0.3102,
0.2475


 9.0009, 0.2920,
0.1456


 35.3057, 0.3033,
0.1947


 4.7417, 0.2840,
0.1215


 49.8644, 0.3052,
0.2059

 2.0965, 0.2713,
0.0919


 67.9590, 0.3066,
0.2155

 0.6627, 0.2500,
0.0551

 89.9740, 0.3077,
0.2237

 0.0000, 0.2146,
0.0000

 116.2936, 0.3086,
0.2308

 0.0000, 0.0390,
0.0000

147.3022, 0.3092,

 0.0000, 0.0000,

0.2371

0.0000

183.3844, 0.3098,
0.2426

■ 15.2583, 0.2972,
0.1652

■ 15.2583, 0.2972,
0.1652

■ 13.4403, 0.2938,
0.1511

■ 17.7785, 0.3004,
0.1834

■ 12.2407, 0.2903,
0.1414

■ 21.0682, 0.3034,
0.2048

■ 11.5000, 0.2867,
0.1354

■ 25.1889, 0.3060,
0.2287

■ 11.4909, 0.2867,
0.1353

■ 30.1955, 0.3082,
0.2540

■ 36.1381, 0.3101,
0.2796

■ 43.0630, 0.3116,
0.3050

■ 51.0135, 0.3127,
0.3293

■ 60.0301, 0.3136,
0.3523

■ 70.1515, 0.3142,
0.3737

Harmonies

Analogous

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



15.2583, 0.1775, 0.1339



15.2583, 0.2972, 0.1652



15.2583, 0.4623, 0.2248

Triad

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



15.2583, 0.2972, 0.1652



15.2583, 0.5114, 0.4866



15.2583, 0.0989, 0.2687

Complementary

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



15.2583, 0.2972, 0.1652



38.1928, 0.3114, 0.5447

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.



15.2583, 0.1546, 0.4610



15.2583, 0.2972, 0.1652



15.2583, 0.3880, 0.5933

Square

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



15.2583, 0.2972, 0.1652



15.2583, 0.5902, 0.3816



15.2583, 0.2618, 0.6200



15.2583, 0.0896, 0.1687

Rectangle

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



15.2583, 0.2972, 0.1652



15.2583, 0.5557, 0.2741



15.2583, 0.2618, 0.6200



15.2583, 0.1113, 0.3235

Sweetspot

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



15.2590, 0.2972, 0.1652



63.0361, 0.3098, 0.2759



9.8189, 0.1859, 0.1351



12.9026, 0.3094, 0.2688



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



15.2590, 0.2972, 0.1652



22.7627, 0.2919, 0.1453



15.7207, 0.3880, 0.2226



9.6286, 0.3116, 0.3062



7.7540, 0.2871, 0.1356



0.3222, 0.2957, 0.1403

Inverse Universe

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



14.2508, 0.5143, 0.3090



21.2460, 0.5789, 0.3127



38.2557, 0.2804, 0.4801



9.5570, 0.3267, 0.3259



7.3354, 0.6201, 0.3190



0.2943, 0.5667, 0.2895

Previews

White Background



This preview shows how the Yxy color 15.2583, 0.2972, 0.1652 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 15.2583, 0.2972, 0.1652 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

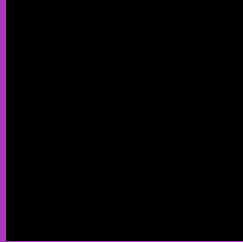
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.2583, 0.2972, 0.1652

Background



This preview shows how black text looks on a background with the Yxy color 15.2583, 0.2972, 0.1652.



This preview shows how white text looks on a background with the Yxy color 15.2583, 0.2972, 0.1652.

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

15.2583, 0.2972, 0.1652

Protanopia

15.6899, 0.1741, 0.1468

Deuteranopia

15.5371, 0.2074, 0.2023



Tritanopia

15.1766, 0.4159, 0.3179

Trichromacy



Original Color

15.2583, 0.2972, 0.1652



Protanomaly

12.7067, 0.1851, 0.1365



Deuteranomaly

13.7846, 0.2287, 0.1763



Tritanomaly

14.6793, 0.3690, 0.2494

Monochromacy



Original Color

15.2583, 0.2972, 0.1652



Achromatopsia

14.4128, 0.3127, 0.3290



Achromatomaly

13.5028, 0.3081, 0.2427

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.2583, 0.2972, 0.1652 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(171, 57, 189)` looks like.

```
.text, #text, p{  
    color:rgb(171, 57, 189)  
}
```

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(171, 57, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 57, 189) }
```

Border

The CSS property to change the border of an element to Yxy 15.2583, 0.2972, 0.1652 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(171, 57, 189) }
```

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

```
.border{ border-color:rgb(171, 57, 189) }
```

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

Here you see how a box with a 4 pixel rgb(171, 57, 189) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 57, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 57, 189);  
box-shadow:4px 4px 4px 4px rgb(171, 57,  
189) }
```


Background

The CSS property to change the background color of an element to Yxy 15.2583, 0.2972, 0.1652 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 57, 189) }
```

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

```
.background{ background-color: rgb(171, 57,  
189) }
```

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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