

Converting Colors

$Y_{xy}(16.0195, 0.3154, 0.1917)$

Have a look what the booklet for
Yxy(16.0195, 0.3154, 0.1917)
contains.

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Color

Yxy(16.0697, 0.3151, 0.1920)

Conversions

Conversions Part 1

Format	Color
Hex	AA47AD
RGB	170, 71, 173
RGB Percent	67%, 28%, 68%
CMY	0.3334, 0.7215, 0.3215
CMYK	0.02, 0.59, 0.00, 0.32
HSL	298°, 42%, 48%
HSV	298°, 59%, 68%
XYZ	26.3727, 16.0697, 41.2539
YIQ	112.2290, 26.2620, 52.7100

Conversions

Conversions Part 2

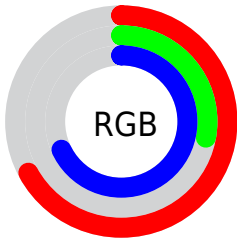
Format	Color
R_{YB}	170, 71, 173
Decimal	11159469
CIE _{Lab}	47.07, 54.28, -35.99
CIE _{LCh}	47, 65.129, 326.458
Yxy	16.0697, 0.3151, 0.1920
Android (android.graphics.Color)	4289349549 (0xFFAA47AD)
YUV	112.2290, 29.9601, 50.6652
Hunter-Lab	40.0870, 47.2805, -32.9550

Details

The Yxy color **16.0697, 0.3151, 0.1920** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **31.8050, 0.3059, 0.5145**, and the grayscale version is **16.1798, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.8184, 0.3169, 0.2182**, and **5.1312, 0.3108, 0.1515** is the 20% darker color. If you saturate the color by 10%, you get **14.1168, 0.3150, 0.1757**, and if you desaturate by 10%, it is **18.6507, 0.3150, 0.2118**.

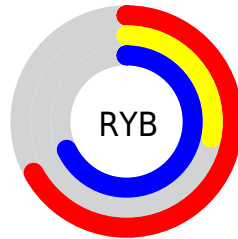
Distribution



Red (67%)

Green (28%)

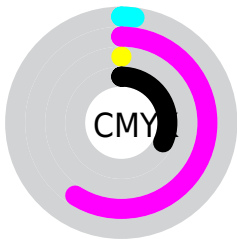
Blue (68%)



Red (67%)

Yellow (28%)

Blue (68%)

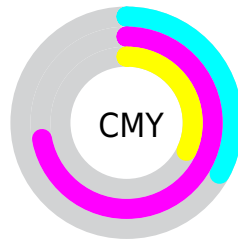


Cyan (2%)

Magenta (59%)

Yellow (0%)

Black (32%)



Cyan (33%)


Magenta (72%)

Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.0697, 0.3151, 0.1920 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 16.0697, 0.3151, 0.1920 by changing the saturation by 10% instead.


 16.0697, 0.3151,
0.1920


 16.0697, 0.3151,
0.1920


229.7527, 0.3169,
0.2630


 9.5735, 0.3134,
0.1740


 36.7192, 0.3166,
0.2181


 5.1171, 0.3102,
0.1512


 51.6412, 0.3169,
0.2278


 2.3161, 0.3041,
0.1215

 70.1406, 0.3170,
0.2360

 0.7822, 0.2919,
0.0827

 92.6019, 0.3171,
0.2430

 0.0000, 0.2739,
0.0000

 119.4093, 0.3171,
0.2491

 0.0000, 0.0000,
0.0000

150.9473, 0.3170,

0.2543

187.6003, 0.3169,
0.2589

■ 16.0697, 0.3151,
0.1920

■ 16.0697, 0.3151,
0.1920

■ 14.1168, 0.3150,
0.1757

■ 18.6507, 0.3150,
0.2118

■ 12.7352, 0.3147,
0.1633

■ 21.9061, 0.3148,
0.2341

■ 11.8613, 0.3142,
0.1552

■ 25.8801, 0.3144,
0.2581

■ 11.3747, 0.3136,
0.1505

■ 30.6127, 0.3139,
0.2828

■ 11.3296, 0.3136,
0.1501

■ 36.1411, 0.3133,
0.3075

■ 42.4996, 0.3126,
0.3315

■ 49.7210, 0.3120,
0.3543

■ 57.8359, 0.3113,
0.3757

■ 66.8738, 0.3107,
0.3955

Harmonies

Analogous

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



16.0697, 0.2066, 0.1604



16.0697, 0.3151, 0.1920



16.0697, 0.4496, 0.2486

Triad

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



16.0697, 0.3151, 0.1920



16.0697, 0.4812, 0.4845



16.0697, 0.1254, 0.2721

Complementary

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



16.0697, 0.3151, 0.1920



31.8050, 0.3059, 0.5145

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.



16.0697, 0.1751, 0.4182



16.0697, 0.3151, 0.1920



16.0697, 0.3793, 0.5599

Square

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



16.0697, 0.3151, 0.1920



16.0697, 0.5484, 0.3973



16.0697, 0.2687, 0.5515



16.0697, 0.1173, 0.1890

Rectangle

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



16.0697, 0.3151, 0.1920



16.0697, 0.5213, 0.2949



16.0697, 0.2687, 0.5515



16.0697, 0.1367, 0.3148

Sweetspot

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



16.0704, 0.3151, 0.1920



55.4079, 0.3138, 0.2844



9.3104, 0.2016, 0.1487



11.4845, 0.3140, 0.2774



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



16.0704, 0.3151, 0.1920



24.3577, 0.3149, 0.1711



14.8851, 0.3916, 0.2510



8.1358, 0.3133, 0.3066



8.3264, 0.3136, 0.1501



0.2353, 0.3160, 0.1514

Inverse Universe

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



13.8887, 0.4855, 0.3253



20.1403, 0.5473, 0.3256



32.5553, 0.2746, 0.4288



8.0191, 0.3282, 0.3284



6.5366, 0.6361, 0.3278



0.1831, 0.6189, 0.3183

Previews

White Background



This preview shows how the Yxy color 16.0697, 0.3151, 0.1920 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 16.0697, 0.3151, 0.1920 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

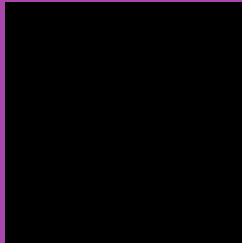
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.0697, 0.3151, 0.1920

Background



This preview shows how black text looks on a background with the Yxy color 16.0697, 0.3151, 0.1920.



This preview shows how white text looks on a background with the Yxy color 16.0697, 0.3151, 0.1920.

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

16.0697, 0.3151, 0.1920

Protanopia

16.4834, 0.1933, 0.1697

Deuteranopia

16.1968, 0.2333, 0.2277



Tritanopia

16.1132, 0.4112, 0.3196

Trichromacy



Original Color

16.0697, 0.3151, 0.1920



Protanomaly

14.8913, 0.2202, 0.1698



Deuteranomaly

15.0819, 0.2565, 0.2056



Tritanomaly

15.7138, 0.3749, 0.2656

Monochromacy



Original Color

16.0697, 0.3151, 0.1920



Achromatopsia

16.2029, 0.3127, 0.3290



Achromatomaly

15.2572, 0.3144, 0.2629

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.0697, 0.3151, 0.1920 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(170, 71, 173)` looks like.

```
.text, #text, p{  
    color:rgb(170, 71, 173)  
}
```

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(170, 71, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 71, 173) }
```

Border

The CSS property to change the border of an element to Yxy 16.0697, 0.3151, 0.1920 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(170, 71, 173) }
```

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

```
.border{ border-color:rgb(170, 71, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 71, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 71, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 71, 173);  
box-shadow:4px 4px 4px 4px rgb(170, 71,  
173) }
```


Background

The CSS property to change the background color of an element to Yxy 16.0697, 0.3151, 0.1920 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 71, 173) }
```

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

```
.background{ background-color: rgb(170, 71,  
173) }
```

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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