

Converting Colors

$Yxy(15.4767, 0.3199, 0.1765)$

Have a look what the booklet for
Yxy(15.4767, 0.3199, 0.1765)
contains.

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Color

Yxy(15.4767, 0.3199, 0.1765)

Conversions

Conversions Part 1

Format	Color
Hex	B336B3
RGB	179, 54, 179
RGB Percent	70%, 21%, 70%
CMY	0.2979, 0.7883, 0.2980
CMYK	0.00, 0.70, 0.00, 0.30
HSL	300°, 54%, 46%
HSV	300°, 70%, 70%
XYZ	28.0510, 15.4767, 44.1590
YIQ	105.6250, 34.3750, 65.3750

Conversions

Conversions Part 2

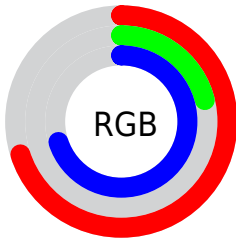
Format	Color
R_{YB}	179, 54, 179
Decimal	11744947
CIE _{Lab}	46.28, 64.44, -40.66
CIE _{LCh}	46, 76.200, 327.750
Yxy	15.4767, 0.3199, 0.1765
Android (android.graphics.Color)	4289935027 (0xFFB336B3)
YUV	105.6250, 36.1739, 64.3499
Hunter-Lab	39.3404, 58.4304, -39.0138

Details

The Yxy color **15.4767, 0.3199, 0.1765** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **33.3006, 0.3023, 0.5498**, and the grayscale version is **14.1952, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.7636, 0.3215, 0.2051**, and **5.6439, 0.3133, 0.1499** is the 20% darker color. If you saturate the color by 10%, you get **14.1075, 0.3204, 0.1652**, and if you desaturate by 10%, it is **17.4603, 0.3192, 0.1919**.

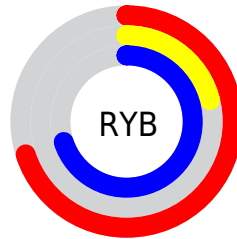
Distribution



Red (70%)

Green (21%)

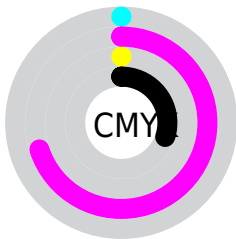
Blue (70%)



Red (70%)

Yellow (21%)

Blue (70%)

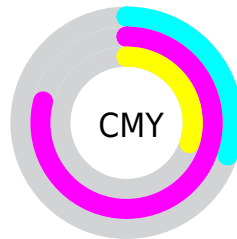


Cyan (0%)

Magenta (70%)

Yellow (0%)

Black (30%)



Cyan (30%)


Magenta (79%)

Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.4767, 0.3199, 0.1765 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 15.4767, 0.3199, 0.1765 by changing the saturation by 10% instead.


 15.4767, 0.3199,
0.1765


 15.4767, 0.3199,
0.1765


226.2337, 0.3198,
0.2541

 9.1546, 0.3184,
0.1575


 35.6873, 0.3209,
0.2046


 4.8422, 0.3154,
0.1338


 50.3446, 0.3210,
0.2152


 2.1550, 0.3095,
0.1039


 68.5492, 0.3209,
0.2242

 0.6953, 0.2974,
0.0658

 90.6853, 0.3207,
0.2319

 0.0000, 0.2765,
0.0000

 117.1374, 0.3205,
0.2386

 0.0000, 0.0970,
0.0000

148.2899, 0.3203,

 0.0000, 0.0000,

0.2444

0.0000

184.5272, 0.3201,
0.2495

■ 15.4767, 0.3199,
0.1765

■ 15.4767, 0.3199,
0.1765

■ 14.1075, 0.3204,
0.1652

■ 17.4603, 0.3192,
0.1919

■ 13.2795, 0.3208,
0.1580

■ 20.1167, 0.3183,
0.2108

■ 12.8471, 0.3210,
0.1542

■ 23.4997, 0.3173,
0.2325

■ 12.8414, 0.3210,
0.1542

■ 27.6573, 0.3161,
0.2561

■ 32.6331, 0.3150,
0.2806

■ 38.4678, 0.3138,
0.3053

■ 45.1992, 0.3127,
0.3293

■ 52.8628, 0.3116,
0.3524

■ 61.4923, 0.3106,
0.3740

Harmonies

Analogous

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



15.4767, 0.1949, 0.1413



15.4767, 0.3199, 0.1765



15.4767, 0.4795, 0.2385

Triad

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



15.4767, 0.3199, 0.1765



15.4767, 0.4915, 0.5002



15.4767, 0.1007, 0.2523

Complementary

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



15.4767, 0.3199, 0.1765



33.3006, 0.3023, 0.5498

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.



15.4767, 0.1487, 0.4256



15.4767, 0.3199, 0.1765



15.4767, 0.3704, 0.5963

Square

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



15.4767, 0.3199, 0.1765



15.4767, 0.5757, 0.3967



15.4767, 0.2485, 0.5958



15.4767, 0.0961, 0.1655

Rectangle

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



15.4767, 0.3199, 0.1765



15.4767, 0.5611, 0.2880



15.4767, 0.2485, 0.5958



15.4767, 0.1109, 0.3004

Sweetspot

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



15.4774, 0.3199, 0.1765



56.9917, 0.3152, 0.2769



6.6749, 0.1799, 0.1094



12.0694, 0.3155, 0.2702



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.



15.4774, 0.3199, 0.1765



24.3224, 0.3206, 0.1607



13.4951, 0.4226, 0.2469



8.6467, 0.3138, 0.3066



9.0713, 0.3210, 0.1542



0.2854, 0.3210, 0.1542

Inverse Universe

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



15.4774, 0.3199, 0.1765



24.3224, 0.3206, 0.1607



34.3070, 0.2693, 0.4436



8.6467, 0.3138, 0.3066



9.0713, 0.3210, 0.1542



0.2854, 0.3210, 0.1542

Previews

White Background



This preview shows how the Yxy color 15.4767, 0.3199, 0.1765 looks on a white background.

Color Contrast Check

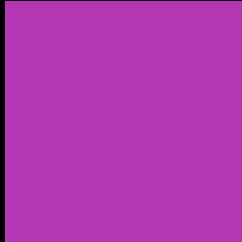
Large Text (above 18pt) WCAG AA ✓ Pass

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 15.4767, 0.3199, 0.1765 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

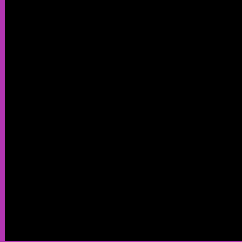
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.4767, 0.3199, 0.1765

Background



This preview shows how black text looks on a background with the Yxy color 15.4767, 0.3199, 0.1765.



This preview shows how white text looks on a background with the Yxy color 15.4767, 0.3199, 0.1765.

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

15.4767, 0.3199, 0.1765

Protanopia

15.7991, 0.1737, 0.1454

Deuteranopia

15.7596, 0.2238, 0.2185



Tritanopia

15.5138, 0.4414, 0.3203

Trichromacy



Original Color

15.4767, 0.3199, 0.1765



Protanomaly

12.5437, 0.1869, 0.1371



Deuteranomaly

14.0425, 0.2496, 0.1905



Tritanomaly

15.0545, 0.3968, 0.2583

Monochromacy



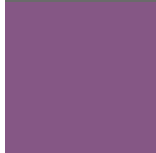
Original Color

15.4767, 0.3199, 0.1765



Achromatopsia

14.4128, 0.3127, 0.3290



Achromatomaly

13.4964, 0.3166, 0.2468

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.4767, 0.3199, 0.1765 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(179, 54, 179)` looks like.

```
.text, #text, p{  
    color:rgb(179, 54, 179)  
}
```

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(179, 54, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 54, 179) }
```

Border

The CSS property to change the border of an element to Yxy 15.4767, 0.3199, 0.1765 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(179, 54, 179) }
```

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

```
.border{ border-color:rgb(179, 54, 179) }
```

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

Here you see how a box with a 4 pixel rgb(179, 54, 179) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 54, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 54, 179);  
box-shadow:4px 4px 4px 4px rgb(179, 54,  
179) }
```


Background

The CSS property to change the background color of an element to Yxy 15.4767, 0.3199, 0.1765 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 54, 179) }
```

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

```
.background{ background-color: rgb(179, 54,  
179) }
```

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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