

Converting Colors

$Y_{xy}(15.0743, 0.3368, 0.2054)$

Have a look what the booklet for
Yxy(15.0743, 0.3368, 0.2054)
contains.

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Color

Yxy(15.1146, 0.3371, 0.2060)

Conversions

Conversions Part 1

Format	Color
Hex	AA449D
RGB	170, 68, 157
RGB Percent	67%, 27%, 62%
CMY	0.3333, 0.7334, 0.3842
CMYK	0.00, 0.60, 0.08, 0.33
HSL	308°, 43%, 47%
HSV	308°, 60%, 67%
XYZ	24.7336, 15.1146, 33.5236
YIQ	108.6440, 32.2230, 49.3030

Conversions

Conversions Part 2

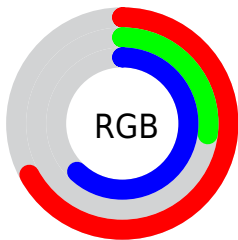
Format	Color
R_{YB}	170, 68, 157
Decimal	11158685
CIE _{Lab}	45.79, 52.88, -28.51
CIE _{LCh}	46, 60.076, 331.665
Yxy	15.1146, 0.3371, 0.2060
Android (android.graphics.Color)	4289348765 (0xFFAA449D)
YUV	108.6440, 23.8395, 53.8092
Hunter-Lab	38.8775, 45.5251, -23.9108

Details

The Yxy color **15.1146, 0.3371, 0.2060** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **30.5753, 0.2965, 0.4968**, and the grayscale version is **15.1111, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.1665, 0.3336, 0.2308**, and **4.6865, 0.3430, 0.1669** is the 20% darker color. If you saturate the color by 10%, you get **13.2757, 0.3420, 0.1918**, and if you desaturate by 10%, it is **17.5524, 0.3323, 0.2234**.

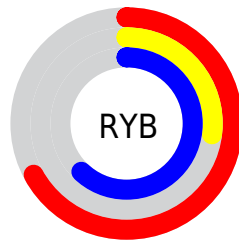
Distribution



Red (67%)

Green (27%)

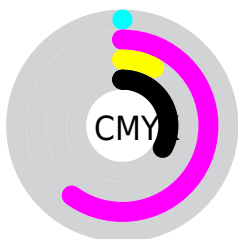
Blue (62%)



Red (67%)

Yellow (27%)

Blue (62%)

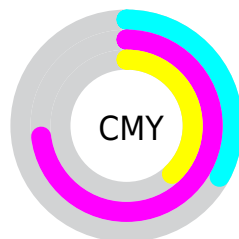


Cyan (0%)

Magenta (60%)

Yellow (8%)

Black (33%)



Cyan (33%)


Magenta (73%)


Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.1146, 0.3371, 0.2060 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 15.1146, 0.3371, 0.2060 by changing the saturation by 10% instead.


 15.1146, 0.3371,
0.2060

 15.1146, 0.3371,
0.2060


224.0588, 0.3257,
0.2714


 8.8999, 0.3394,
0.1887


 35.0541, 0.3333,
0.2306


 4.6759, 0.3419,
0.1662


 49.5476, 0.3317,
0.2395

 2.0584, 0.3440,
0.1360

 67.5696, 0.3304,
0.2471

 0.6411, 0.3449,
0.0919

 89.5043, 0.3292,
0.2534

 0.0000, 0.3484,
0.0000

 115.7362, 0.3281,
0.2589

 0.0000, 0.0000,
0.0000

146.6496, 0.3272,

0.2636

182.6290, 0.3264,
0.2677

■ 15.1146, 0.3371,
0.2060

■ 15.1146, 0.3371,
0.2060

■ 13.2757, 0.3420,
0.1918

■ 17.5524, 0.3323,
0.2234

■ 11.9804, 0.3468,
0.1816

■ 20.6339, 0.3277,
0.2432

■ 11.1669, 0.3513,
0.1757

■ 24.4019, 0.3233,
0.2645

■ 10.6971, 0.3556,
0.1733

■ 28.8950, 0.3194,
0.2863

■ 34.1491, 0.3158,
0.3080

■ 40.1974, 0.3127,
0.3290

■ 47.0713, 0.3100,
0.3490

■ 54.8006, 0.3076,
0.3677

■ 63.4134, 0.3056,
0.3851

Harmonies

Analogous

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



15.1146, 0.2269, 0.1707



15.1146, 0.3371, 0.2060



15.1146, 0.4621, 0.2642

Triad

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



15.1146, 0.3371, 0.2060



15.1146, 0.4608, 0.4945



15.1146, 0.1295, 0.2583

Complementary

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



15.1146, 0.3371, 0.2060



30.5753, 0.2965, 0.4968

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.



15.1146, 0.1709, 0.3869



15.1146, 0.3371, 0.2060



15.1146, 0.3609, 0.5542

Square

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



15.1146, 0.3371, 0.2060



15.1146, 0.5310, 0.4117



15.1146, 0.2553, 0.5216



15.1146, 0.1271, 0.1878

Rectangle

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



15.1146, 0.3371, 0.2060



15.1146, 0.5220, 0.3103



15.1146, 0.2553, 0.5216



15.1146, 0.1385, 0.2950

Sweetspot

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



15.1153, 0.3371, 0.2060



53.9255, 0.3188, 0.2900



8.7364, 0.2089, 0.1446



11.4635, 0.3198, 0.2837



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.



15.1153, 0.3371, 0.2060



23.2057, 0.3436, 0.1880



13.7437, 0.4218, 0.2721



7.6499, 0.3156, 0.3095



7.8736, 0.3552, 0.1730



0.1960, 0.3424, 0.1660

Inverse Universe

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



15.1153, 0.3371, 0.2060



23.2057, 0.3436, 0.1880



31.6177, 0.2642, 0.4007



7.6499, 0.3156, 0.3095



7.8736, 0.3552, 0.1730



0.1960, 0.3424, 0.1660

Previews

White Background



This preview shows how the Yxy color 15.1146, 0.3371, 0.2060 looks on a white background.

Color Contrast Check

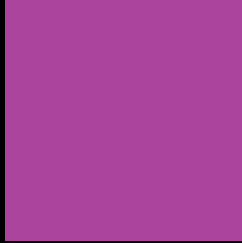
Large Text (above 18pt) WCAG AA ✓ Pass

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 15.1146, 0.3371, 0.2060 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

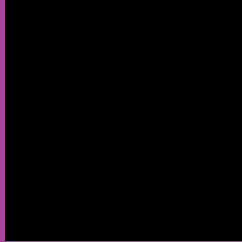
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.1146, 0.3371, 0.2060

Background



This preview shows how black text looks on a background with the Yxy color 15.1146, 0.3371, 0.2060.



This preview shows how white text looks on a background with the Yxy color 15.1146, 0.3371, 0.2060.

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

15.1146, 0.3371, 0.2060

Protanopia

15.4035, 0.2055, 0.1849

Deuteranopia

15.4463, 0.2518, 0.2466



Tritanopia

15.0562, 0.4288, 0.3183

Trichromacy



Original Color

15.1146, 0.3371, 0.2060

Protanomaly

14.0568, 0.2375, 0.1850

Deuteranomaly

14.3396, 0.2780, 0.2236

Tritanomaly

14.9599, 0.3948, 0.2725

Monochromacy



Original Color

15.1146, 0.3371, 0.2060

Achromatopsia

15.2926, 0.3127, 0.3290

Achromatomaly

14.3371, 0.3228, 0.2702

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.1146, 0.3371, 0.2060 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, 68, 157)` looks like.

```
.text, #text, p{  
    color:rgb(170, 68, 157)  
}
```

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, 68, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 68, 157) }
```

Border

The CSS property to change the border of an element to Yxy 15.1146, 0.3371, 0.2060 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, 68, 157) }
```

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

```
.border{ border-color:rgb(170, 68, 157) }
```

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

Here you see how a box with a 4 pixel rgb(170, 68, 157) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 68, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 68, 157);  
box-shadow:4px 4px 4px 4px rgb(170, 68,  
157) }
```


Background

The CSS property to change the background color of an element to Yxy 15.1146, 0.3371, 0.2060 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 68, 157) }
```

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

```
.background{ background-color: rgb(170, 68,  
157) }
```

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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