

Converting Colors

$Y_{xy}(15.1172, 0.3398, 0.2147)$

Have a look what the booklet for
Yxy(15.1172, 0.3398, 0.2147)
contains.

Yxy(15.1172, 0.3398, 0.2147)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(15.1172, 0.3398, 0.2147)

Conversions

Conversions Part 1

Format	Color
Hex	A74898
RGB	167, 72, 152
RGB Percent	65%, 28%, 60%
CMY	0.3450, 0.7177, 0.4039
CMYK	0.00, 0.57, 0.09, 0.35
HSL	309°, 40%, 47%
HSV	309°, 57%, 65%
XYZ	23.9256, 15.1172, 31.3680
YIQ	109.5250, 30.9400, 45.0200

Conversions

Conversions Part 2

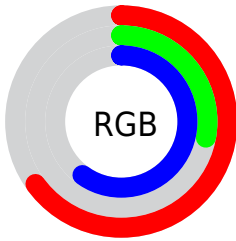
Format	Color
R_{YB}	167, 72, 152
Decimal	10963096
CIE _{Lab}	45.79, 49.35, -25.55
CIE _{LCh}	46, 55.569, 332.628
Yxy	15.1172, 0.3398, 0.2147
Android (android.graphics.Color)	4289153176 (0xFFA74898)
YUV	109.5250, 20.9402, 50.4056
Hunter-Lab	38.8808, 41.7997, -20.6170

Details

The Yxy color **15.1172, 0.3398, 0.2147** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **29.7111, 0.2951, 0.4814**, and the grayscale version is **15.3817, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.0195, 0.3344, 0.2373**, and **4.6722, 0.3452, 0.1758** is the 20% darker color. If you saturate the color by 10%, you get **13.1590, 0.3458, 0.1998**, and if you desaturate by 10%, it is **17.6653, 0.3340, 0.2325**.

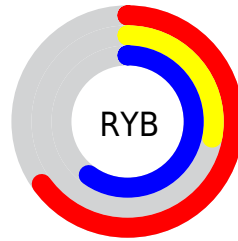
Distribution



Red (65%)

Green (28%)

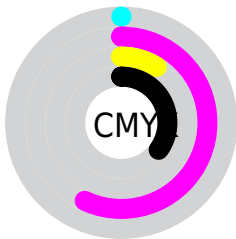
Blue (60%)



Red (65%)

Yellow (28%)

Blue (60%)

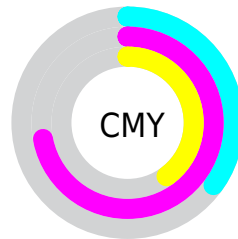


Cyan (0%)

Magenta (57%)

Yellow (9%)

Black (35%)



Cyan (35%)


Magenta (72%)


Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.1172, 0.3398, 0.2147 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 15.1172, 0.3398, 0.2147 by changing the saturation by 10% instead.


 15.1172, 0.3398,
0.2147


 15.1172, 0.3398,
0.2147


224.0745, 0.3264,
0.2761

 8.9017, 0.3429,
0.1982


 35.0587, 0.3351,
0.2380


 4.6771, 0.3465,
0.1763


 49.5534, 0.3332,
0.2464


 2.0591, 0.3505,
0.1466

 67.5766, 0.3317,
0.2535

 0.6415, 0.3550,
0.1018

 89.5128, 0.3303,
0.2594

 0.0000, 0.3670,
0.0000

 115.7463, 0.3291,
0.2645

 0.0000, 0.0000,
0.0000

146.6614, 0.3281,

0.2689

182.6427, 0.3272,
0.2727

■ 15.1172, 0.3398,
0.2147

■ 15.1172, 0.3398,
0.2147

■ 13.1590, 0.3458,
0.1998

■ 17.6653, 0.3340,
0.2325

■ 11.7398, 0.3518,
0.1886

■ 20.8444, 0.3286,
0.2523

■ 10.8038, 0.3577,
0.1817

■ 24.6946, 0.3236,
0.2732

■ 10.2672, 0.3633,
0.1790

■ 29.2518, 0.3191,
0.2943

■ 10.1306, 0.3650,
0.1784

■ 34.5495, 0.3152,
0.3151

■ 40.6191, 0.3117,
0.3351

■ 47.4901, 0.3087,
0.3540

■ 55.1905, 0.3062,
0.3716

■ 63.7468, 0.3040,
0.3879

Harmonies

Analogous

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



15.1172, 0.2356, 0.1800



15.1172, 0.3398, 0.2147



15.1172, 0.4546, 0.2710

Triad

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



15.1172, 0.3398, 0.2147



15.1172, 0.4520, 0.4895



15.1172, 0.1393, 0.2616

Complementary

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



15.1172, 0.3398, 0.2147



29.7111, 0.2951, 0.4814

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.



15.1172, 0.1786, 0.3787



15.1172, 0.3398, 0.2147



15.1172, 0.3579, 0.5387

Square

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



15.1172, 0.3398, 0.2147



15.1172, 0.5171, 0.4133



15.1172, 0.2580, 0.5019



15.1172, 0.1374, 0.1956

Rectangle

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



15.1172, 0.3398, 0.2147



15.1172, 0.5088, 0.3156



15.1172, 0.2580, 0.5019



15.1172, 0.1478, 0.2954

Sweetspot

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



15.1179, 0.3398, 0.2147



52.0163, 0.3193, 0.2935



9.4131, 0.2183, 0.1562



11.2706, 0.3201, 0.2894



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



15.1179, 0.3398, 0.2147



22.8854, 0.3472, 0.1968



13.8755, 0.4189, 0.2791



7.6460, 0.3160, 0.3102



7.7555, 0.3645, 0.1782



0.1940, 0.3480, 0.1691

Inverse Universe

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



15.1179, 0.3398, 0.2147



22.8854, 0.3472, 0.1968



30.7376, 0.2636, 0.3900



7.6460, 0.3160, 0.3102



7.7555, 0.3645, 0.1782



0.1940, 0.3480, 0.1691

Previews

White Background



This preview shows how the Yxy color 15.1172, 0.3398, 0.2147 looks on a white background.

Color Contrast Check

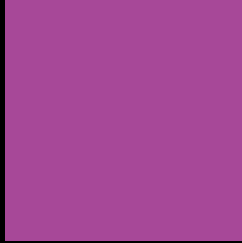
Large Text (above 18pt) WCAG AA ✓ Pass

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 15.1172, 0.3398, 0.2147 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

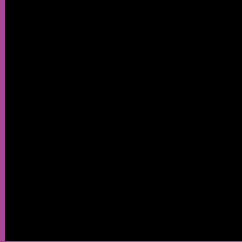
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.1172, 0.3398, 0.2147

Background



This preview shows how black text looks on a background with the Yxy color 15.1172, 0.3398, 0.2147.



This preview shows how white text looks on a background with the Yxy color 15.1172, 0.3398, 0.2147.

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

15.1172, 0.3398, 0.2147

Protanopia

15.5139, 0.2152, 0.1985

Deuteranopia

15.2434, 0.2592, 0.2534



Tritanopia

15.1838, 0.4228, 0.3197

Trichromacy



Original Color

15.1172, 0.3398, 0.2147

Protanomaly

14.2872, 0.2476, 0.1986

Deuteranomaly

14.4286, 0.2850, 0.2329

Tritanomaly

15.0360, 0.3925, 0.2790

Monochromacy



Original Color

15.1172, 0.3398, 0.2147

Achromatopsia

15.5926, 0.3127, 0.3290

Achromatomaly

14.6717, 0.3239, 0.2756

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.1172, 0.3398, 0.2147 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(167, 72, 152)` looks like.

```
.text, #text, p{  
    color:rgb(167, 72, 152)  
}
```

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(167, 72, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 72, 152) }
```

Border

The CSS property to change the border of an element to Yxy 15.1172, 0.3398, 0.2147 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(167, 72, 152) }
```

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

```
.border{ border-color:rgb(167, 72, 152) }
```

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

Here you see how a box with a 4 pixel rgb(167, 72, 152) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 72, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 72, 152);  
box-shadow:4px 4px 4px 4px rgb(167, 72,  
152) }
```


Background

The CSS property to change the background color of an element to Yxy 15.1172, 0.3398, 0.2147 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 72, 152) }
```

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

```
.background{ background-color: rgb(167, 72,  
152) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor