

Converting Colors

$Y_{xy}(15.0465, 0.3309, 0.2229)$

Have a look what the booklet for
Yxy(15.0465, 0.3309, 0.2229)
contains.

Yxy(15.0310, 0.3306, 0.2226)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(15.0310, 0.3306, 0.2226)

Conversions

Conversions Part 1

Format	Color
Hex	9E4F95
RGB	158, 79, 149
RGB Percent	62%, 31%, 58%
CMY	0.3804, 0.6902, 0.4156
CMYK	0.00, 0.50, 0.06, 0.38
HSL	307°, 33%, 46%
HSV	307°, 50%, 62%
XYZ	22.3237, 15.0310, 30.1700
YIQ	110.6010, 24.6140, 38.5180

Conversions

Conversions Part 2

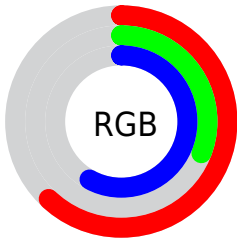
Format	Color
R _Y B	158, 79, 149
Decimal	10375061
CIE Lab	45.68, 42.65, -24.05
CIE LCh	46, 48.959, 330.581
Yxy	15.0310, 0.3306, 0.2226
Android (android.graphics.Color)	4288565141 (0xFF9E4F95)
YUV	110.6010, 18.9307, 41.5689
Hunter-Lab	38.7698, 34.9331, -18.9996

Details

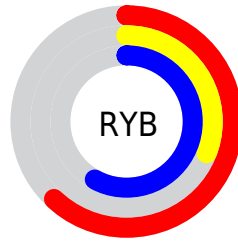
The Yxy color **15.0310, 0.3306, 0.2226** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **26.8215, 0.2992, 0.4662**, and the grayscale version is **15.7141, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.8405, 0.3278, 0.2450**, and **4.6088, 0.3333, 0.1849** is the 20% darker color. If you saturate the color by 10%, you get **12.9601, 0.3349, 0.2050**, and if you desaturate by 10%, it is **17.6459, 0.3264, 0.2426**.

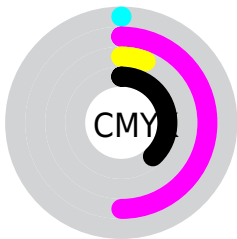
Distribution



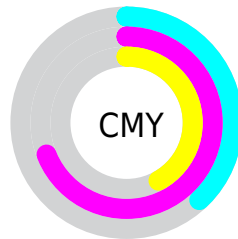
- Red (62%)
- Green (31%)
- Blue (58%)



- Red (62%)
- Yellow (31%)
- Blue (58%)



- Cyan (0%)
- Magenta (50%)
- Yellow (6%)
- Black (38%)





- Cyan (38%)
- Magenta (69%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.0310, 0.3306, 0.2226 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 15.0310, 0.3306, 0.2226 by changing the saturation by 10% instead.


 15.0310, 0.3306,
0.2226


 15.0310, 0.3306,
0.2226


223.5538, 0.3221,
0.2804


 8.8411, 0.3323,
0.2067


 34.9076, 0.3277,
0.2447


 4.6377, 0.3341,
0.1855


 49.3630, 0.3266,
0.2527


 2.0363, 0.3356,
0.1562

 67.3425, 0.3256,
0.2593

 0.6284, 0.3362,
0.1103

 89.2304, 0.3247,
0.2648

 0.0000, 0.3331,
0.0000

 115.4111, 0.3239,
0.2696

 0.0000, 0.0000,
0.0000

146.2689, 0.3233,

0.2737

182.1884, 0.3227,
0.2772

■ 15.0310, 0.3306,
0.2226

■ 15.0310, 0.3306,
0.2226

■ 12.9601, 0.3349,
0.2050

■ 17.6459, 0.3264,
0.2426

■ 11.3921, 0.3393,
0.1906

■ 20.8379, 0.3225,
0.2639

■ 10.2836, 0.3436,
0.1801

■ 24.6398, 0.3189,
0.2859

■ 9.5825, 0.3476,
0.1739

■ 29.0817, 0.3156,
0.3078

■ 9.1646, 0.3514,
0.1709

■ 34.1912, 0.3127,
0.3290

■ 39.9948, 0.3102,
0.3492

■ 46.5170, 0.3080,
0.3682

■ 53.7817, 0.3061,
0.3858

■ 61.8112, 0.3045,
0.4019

Harmonies

Analogous

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



15.0310, 0.2388, 0.1920



15.0310, 0.3306, 0.2226



15.0310, 0.4322, 0.2738

Triad

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



15.0310, 0.3306, 0.2226



15.0310, 0.4466, 0.4725



15.0310, 0.1567, 0.2767

Complementary

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



15.0310, 0.3306, 0.2226



26.8215, 0.2992, 0.4662

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.



15.0310, 0.1970, 0.3816



15.0310, 0.3306, 0.2226



15.0310, 0.3634, 0.5136

Square

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



15.0310, 0.3306, 0.2226



15.0310, 0.4997, 0.4054



15.0310, 0.2721, 0.4838



15.0310, 0.1519, 0.2123

Rectangle

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



15.0310, 0.3306, 0.2226



15.0310, 0.4828, 0.3152



15.0310, 0.2721, 0.4838



15.0310, 0.1660, 0.3080

Sweetspot

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



15.0317, 0.3306, 0.2226



48.3952, 0.3173, 0.2963



10.0813, 0.2278, 0.1782



10.5563, 0.3179, 0.2919



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290

Same Dimension

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



15.0317, 0.3306, 0.2226



23.1558, 0.3354, 0.2031



13.9997, 0.3923, 0.2782



6.7416, 0.3154, 0.3094



7.3431, 0.3511, 0.1708



0.1346, 0.3376, 0.1633

Inverse Universe

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



15.0317, 0.3306, 0.2226



23.1558, 0.3354, 0.2031



27.6341, 0.2708, 0.3888



6.7416, 0.3154, 0.3094



7.3431, 0.3511, 0.1708



0.1346, 0.3376, 0.1633

Previews

White Background



This preview shows how the Yxy color 15.0310, 0.3306, 0.2226 looks on a white background.

Color Contrast Check

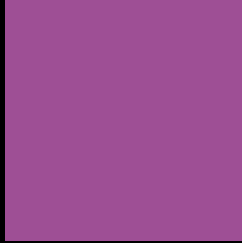
Large Text (above 18pt) WCAG AA ✓ Pass

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 15.0310, 0.3306, 0.2226 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

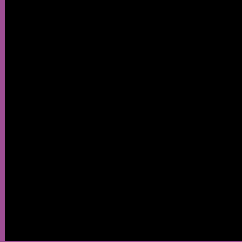
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.0310, 0.3306, 0.2226

Background



This preview shows how black text looks on a background with the Yxy color 15.0310, 0.3306, 0.2226.



This preview shows how white text looks on a background with the Yxy color 15.0310, 0.3306, 0.2226.

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

15.0310, 0.3306, 0.2226

Protanopia

15.3405, 0.2252, 0.2124

Deuteranopia

15.2383, 0.2622, 0.2570



Tritanopia

15.0394, 0.3987, 0.3173

Trichromacy



Original Color

15.0310, 0.3306, 0.2226

Protanomaly

14.5732, 0.2544, 0.2126

Deuteranomaly

14.6897, 0.2837, 0.2402

Tritanomaly

14.9708, 0.3722, 0.2794

Monochromacy



Original Color

15.0310, 0.3306, 0.2226

Achromatopsia

15.8961, 0.3127, 0.3290

Achromatomaly

14.9935, 0.3192, 0.2805

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.0310, 0.3306, 0.2226 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(158, 79, 149)` looks like.

```
.text, #text, p{  
  color:rgb(158, 79, 149)  
}
```

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(158, 79, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 79, 149) }
```

Border

The CSS property to change the border of an element to Yxy 15.0310, 0.3306, 0.2226 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(158, 79, 149) }
```

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

```
.border{ border-color:rgb(158, 79, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 79, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(158, 79, 149); -webkit-box-shadow:4px 4px 4px 4px rgb(158, 79, 149); box-shadow:4px 4px 4px 4px rgb(158, 79, 149) }
```


Background

The CSS property to change the background color of an element to Yxy 15.0310, 0.3306, 0.2226 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 79, 149) }
```

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

```
.background{ background-color: rgb(158, 79,  
149) }
```

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