

Converting Colors

$Y_{xy}(15.2371, 0.3439, 0.2222)$

Have a look what the booklet for
Yxy(15.2371, 0.3439, 0.2222)
contains.

Yxy(15.2773, 0.3439, 0.2227)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(15.2773, 0.3439, 0.2227)

Conversions

Conversions Part 1

Format	Color
Hex	A64B94
RGB	166, 75, 148
RGB Percent	65%, 29%, 58%
CMY	0.3489, 0.7059, 0.4195
CMYK	0.00, 0.55, 0.11, 0.35
HSL	312°, 38%, 47%
HSV	312°, 55%, 65%
XYZ	23.5917, 15.2773, 29.7314
YIQ	110.5310, 30.8030, 41.9950

Conversions

Conversions Part 2

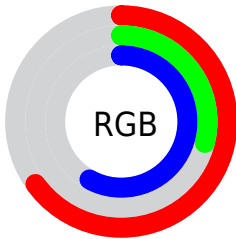
Format	Color
R _{YB}	166, 75, 148
Decimal	10898324
CIE _{Lab}	46.01, 46.94, -22.84
CIE _{LCh}	46, 52.196, 334.055
Yxy	15.2773, 0.3439, 0.2227
Android (android.graphics.Color)	4289088404 (0xFFA64B94)
YUV	110.5310, 18.4722, 48.6463
Hunter-Lab	39.0862, 39.3383, -17.7393

Details

The Yxy color **15.2773, 0.3439, 0.2227** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **29.5650, 0.2931, 0.4681**, and the grayscale version is **15.6922, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.3906, 0.3382, 0.2452**, and **4.7083, 0.3522, 0.1854** is the 20% darker color. If you saturate the color by 10%, you get **13.2103, 0.3514, 0.2076**, and if you desaturate by 10%, it is **17.9363, 0.3368, 0.2404**.

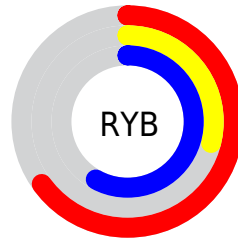
Distribution



Red (65%)

Green (29%)

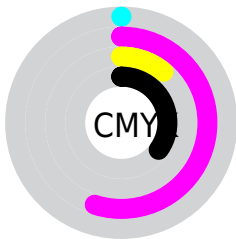
Blue (58%)



Red (65%)

Yellow (29%)

Blue (58%)

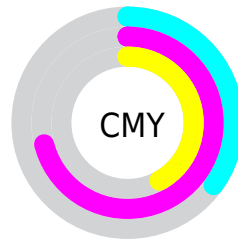


Cyan (0%)

Magenta (55%)

Yellow (11%)

Black (35%)



Cyan (35%)

Magenta (71%)


Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.2773, 0.3439, 0.2227 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 15.2773, 0.3439, 0.2227 by changing the saturation by 10% instead.


 15.2773, 0.3439,
0.2227


 15.2773, 0.3439,
0.2227


225.0386, 0.3278,
0.2802


 9.0142, 0.3479,
0.2070


 35.3389, 0.3380,
0.2446


 4.7505, 0.3530,
0.1860


 49.9063, 0.3358,
0.2526

 2.1016, 0.3595,
0.1571

 68.0105, 0.3339,
0.2591

 0.6655, 0.3681,
0.1130

 90.0360, 0.3323,
0.2647

 0.0000, 0.3925,
0.0000

 116.3671, 0.3309,
0.2694

 0.0000, 0.0000,
0.0000

147.3883, 0.3297,

0.2735

183.4840, 0.3287,
0.2771

■ 15.2773, 0.3439,
0.2227

■ 15.2773, 0.3439,
0.2227

■ 13.2103, 0.3514,
0.2076

■ 17.9363, 0.3368,
0.2404

■ 11.6863, 0.3590,
0.1961

■ 21.2268, 0.3303,
0.2597

■ 10.6521, 0.3666,
0.1888

■ 25.1875, 0.3244,
0.2799

■ 10.0416, 0.3740,
0.1860

■ 29.8534, 0.3192,
0.3001

■ 9.8081, 0.3777,
0.1855

■ 35.2570, 0.3147,
0.3198

■ 41.4288, 0.3108,
0.3386

■ 48.3976, 0.3074,
0.3563

■ 56.1906, 0.3046,
0.3728

■ 64.8339, 0.3022,
0.3881

Harmonies

Analogous

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



15.2773, 0.2442, 0.1882



15.2773, 0.3439, 0.2227



15.2773, 0.4502, 0.2777

Triad

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



15.2773, 0.3439, 0.2227



15.2773, 0.4428, 0.4858



15.2773, 0.1470, 0.2626

Complementary

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



15.2773, 0.3439, 0.2227



29.5650, 0.2931, 0.4681

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.



15.2773, 0.1837, 0.3701



15.2773, 0.3439, 0.2227



15.2773, 0.3532, 0.5259

Square

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



15.2773, 0.3439, 0.2227



15.2773, 0.5048, 0.4153



15.2773, 0.2583, 0.4849



15.2773, 0.1463, 0.2011

Rectangle

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



15.2773, 0.3439, 0.2227



15.2773, 0.4993, 0.3211



15.2773, 0.2583, 0.4849



15.2773, 0.1549, 0.2938

Sweetspot

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



15.2780, 0.3439, 0.2227



52.8459, 0.3199, 0.2971



10.0425, 0.2255, 0.1643



11.4377, 0.3209, 0.2932



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.



15.2780, 0.3439, 0.2227



23.2214, 0.3532, 0.2045



14.1349, 0.4184, 0.2853



7.6408, 0.3166, 0.3111



7.6103, 0.3771, 0.1851



0.1915, 0.3555, 0.1732

Inverse Universe

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



15.2780, 0.3439, 0.2227



23.2214, 0.3532, 0.2045



30.5866, 0.2627, 0.3814



7.6408, 0.3166, 0.3111



7.6103, 0.3771, 0.1851



0.1915, 0.3555, 0.1732

Previews

White Background



This preview shows how the Yxy color 15.2773, 0.3439, 0.2227 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 15.2773, 0.3439, 0.2227 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

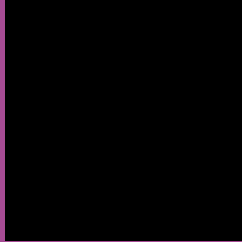
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.2773, 0.3439, 0.2227

Background



This preview shows how black text looks on a background with the Yxy color 15.2773, 0.3439, 0.2227.



This preview shows how white text looks on a background with the Yxy color 15.2773, 0.3439, 0.2227.

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

15.2773, 0.3439, 0.2227

Protanopia

15.4562, 0.2232, 0.2084

Deuteranopia

15.5331, 0.2656, 0.2611



Tritanopia

15.2612, 0.4190, 0.3196

Trichromacy



Original Color

15.2773, 0.3439, 0.2227

Protanomaly

14.4784, 0.2555, 0.2076

Deuteranomaly

14.7700, 0.2899, 0.2412

Tritanomaly

15.0828, 0.3906, 0.2802

Monochromacy



Original Color

15.2773, 0.3439, 0.2227

Achromatopsia

15.8961, 0.3127, 0.3290

Achromatomaly

15.0159, 0.3250, 0.2810

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.2773, 0.3439, 0.2227 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(166, 75, 148)` looks like.

```
.text, #text, p{  
    color:rgb(166, 75, 148)  
}
```

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(166, 75, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 75, 148) }
```

Border

The CSS property to change the border of an element to Yxy 15.2773, 0.3439, 0.2227 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(166, 75, 148) }
```

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

```
.border{ border-color:rgb(166, 75, 148) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 75, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 75, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 75, 148);  
box-shadow:4px 4px 4px 4px rgb(166, 75,  
148) }
```


Background

The CSS property to change the background color of an element to Yxy 15.2773, 0.3439, 0.2227 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 75, 148) }
```

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

```
.background{ background-color: rgb(166, 75,  
148) }
```

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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