

Converting Colors

$Y_{xy}(15.2730, 0.2763, 0.2190)$

Have a look what the booklet for
Yxy(15.2730, 0.2763, 0.2190)
contains.

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Color

Yxy(15.3117, 0.2769, 0.2192)

Conversions

Conversions Part 1

Format	Color
Hex	805FA0
RGB	128, 95, 160
RGB Percent	50%, 37%, 63%
CMY	0.4980, 0.6275, 0.3725
CMYK	0.20, 0.41, 0.00, 0.37
HSL	270°, 25%, 50%
HSV	270°, 41%, 63%
XYZ	19.3422, 15.3117, 35.1987
YIQ	112.2770, -1.1970, 27.2110

Conversions

Conversions Part 2

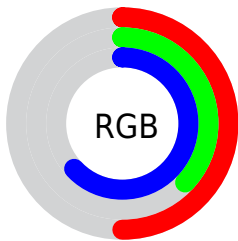
Format	Color
RYB	128, 95, 160
Decimal	8413088
CIELab	46.06, 26.61, -30.27
CIELCh	46, 40.298, 311.318
Yxy	15.3117, 0.2769, 0.2192
Android (android.graphics.Color)	4286603168 (0xFF805FA0)
YUV	112.2770, 23.5274, 13.7891
Hunter-Lab	39.1302, 19.7555, -25.9420

Details

The Yxy color **15.3117, 0.2769, 0.2192** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **30.4826, 0.3373, 0.4396**, and the grayscale version is **16.2193, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.4091, 0.2862, 0.2423**, and **4.7744, 0.2590, 0.1812** is the 20% darker color. If you saturate the color by 10%, you get **12.1328, 0.2652, 0.1903**, and if you desaturate by 10%, it is **19.1313, 0.2876, 0.2482**.

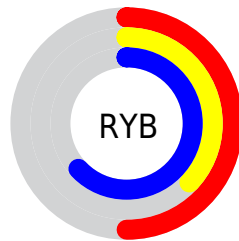
Distribution



Red (50%)

Green (37%)

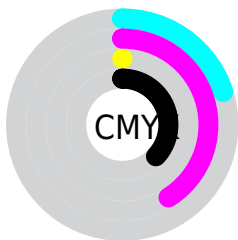
Blue (63%)



Red (50%)

Yellow (37%)

Blue (63%)

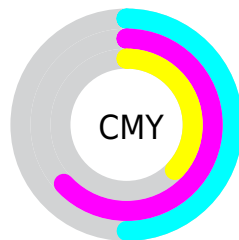


Cyan (20%)

Magenta (41%)

Yellow (0%)

Black (37%)



Cyan (50%)


Magenta (63%)


Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.3117, 0.2769, 0.2192 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 15.3117, 0.2769, 0.2192 by changing the saturation by 10% instead.


 15.3117, 0.2769,
0.2192


 15.3117, 0.2769,
0.2192


225.2452, 0.2990,
0.2792


 9.0384, 0.2696,
0.2027


 35.3991, 0.2861,
0.2422


 4.7663, 0.2590,
0.1807


 49.9820, 0.2892,
0.2505

 2.1108, 0.2425,
0.1504

 68.1035, 0.2917,
0.2573

 0.6707, 0.2149,
0.1052

 90.1482, 0.2937,
0.2631

 0.0000, 0.1147,
0.0000

116.5002, 0.2953,
0.2680

 0.0000, 0.0000,
0.0000

147.5442, 0.2967,

0.2722

183.6644, 0.2979,
0.2759

■ 15.3117, 0.2769,
0.2192

■ 15.3117, 0.2769,
0.2192

■ 12.1328, 0.2652,
0.1903

■ 19.1313, 0.2876,
0.2482

■ 9.5551, 0.2527,
0.1627

■ 23.6242, 0.2970,
0.2763

■ 7.5377, 0.2399,
0.1378


■ 28.8230, 0.3052,
0.3029

■ 6.0333, 0.2272,
0.1170


■ 34.7574, 0.3123,
0.3275

■ 4.9865, 0.2153,
0.1012


■ 41.4555, 0.3183,
0.3500

 4.3001, 0.2049,
0.0903

 48.9440, 0.3233,
0.3705

 57.2482, 0.3275,
0.3888

 66.3922, 0.3310,
0.4052

 76.3991, 0.3338,
0.4199

Harmonies

Analogous

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



15.3117, 0.2146, 0.2069



15.3117, 0.2769, 0.2192



15.3117, 0.3590, 0.2531

Triad

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



15.3117, 0.2769, 0.2192



15.3117, 0.4591, 0.4194



15.3117, 0.2003, 0.3405

Complementary

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



15.3117, 0.2769, 0.2192



30.4826, 0.3373, 0.4396

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.



15.3117, 0.2560, 0.4275



15.3117, 0.2769, 0.2192



15.3117, 0.4056, 0.4669

Square

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



15.3117, 0.2769, 0.2192



15.3117, 0.4728, 0.3606



15.3117, 0.3312, 0.4772



15.3117, 0.1753, 0.2644

Rectangle

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



15.3117, 0.2769, 0.2192



15.3117, 0.4127, 0.2850



15.3117, 0.3312, 0.4772



15.3117, 0.2157, 0.3704

Sweetspot

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



15.3123, 0.2769, 0.2192



50.7298, 0.3040, 0.2987



20.2798, 0.2490, 0.2697



10.8689, 0.3031, 0.2956



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.



15.3123, 0.2769, 0.2192



22.3879, 0.2660, 0.1923



18.1964, 0.3173, 0.2315



6.5925, 0.3063, 0.3064



3.3755, 0.2059, 0.0908



0.0855, 0.2505, 0.1154

Inverse Universe

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



17.1899, 0.3627, 0.2781



26.4468, 0.3797, 0.2668



28.4042, 0.3070, 0.4505



6.6978, 0.3211, 0.3180



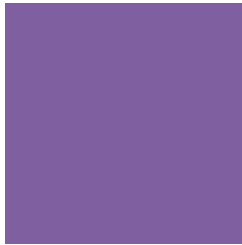
6.2673, 0.4949, 0.2500



0.1206, 0.4119, 0.2043

Previews

White Background



This preview shows how the Yxy color 15.3117, 0.2769, 0.2192 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 15.3117, 0.2769, 0.2192 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

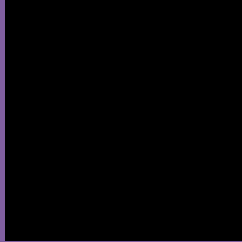
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.3117, 0.2769, 0.2192

Background



This preview shows how black text looks on a background with the Yxy color 15.3117, 0.2769, 0.2192.



This preview shows how white text looks on a background with the Yxy color 15.3117, 0.2769, 0.2192.

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

15.3117, 0.2769, 0.2192

Protanopia

15.3961, 0.2275, 0.2142

Deuteranopia

15.3331, 0.2409, 0.2358



Tritanopia

15.2885, 0.3233, 0.3132

Trichromacy



Original Color

15.3117, 0.2769, 0.2192

Protanomaly

15.2204, 0.2428, 0.2161

Deuteranomaly

15.1122, 0.2526, 0.2282

Tritanomaly

15.1300, 0.3057, 0.2744

Monochromacy



Original Color

15.3117, 0.2769, 0.2192

Achromatopsia

16.2029, 0.3127, 0.3290

Achromatomaly

15.7446, 0.3001, 0.2849

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.3117, 0.2769, 0.2192 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(128, 95, 160)` looks like.

```
.text, #text, p{  
    color:rgb(128, 95, 160)  
}
```

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(128, 95, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 95, 160) }
```

Border

The CSS property to change the border of an element to Yxy 15.3117, 0.2769, 0.2192 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(128, 95, 160) }
```

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

```
.border{ border-color:rgb(128, 95, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 95, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 95, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 95, 160);  
box-shadow:4px 4px 4px 4px rgb(128, 95,  
160) }
```


Background

The CSS property to change the background color of an element to Yxy 15.3117, 0.2769, 0.2192 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 95, 160) }
```

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

```
.background{ background-color: rgb(128, 95,  
160) }
```

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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