

Converting Colors

$Y_{xy}(11.0514, 0.2419, 0.1513)$

Have a look what the booklet for
Yxy(11.0514, 0.2419, 0.1513)
contains.

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Color

Yxy(11.0433, 0.2416, 0.1511)

Conversions

Conversions Part 1

Format	Color
Hex	7642B4
RGB	118, 66, 180
RGB Percent	46%, 26%, 71%
CMY	0.5373, 0.7412, 0.2941
CMYK	0.34, 0.63, 0.00, 0.29
HSL	267°, 46%, 48%
HSV	267°, 63%, 71%
XYZ	17.6576, 11.0433, 44.3851
YIQ	94.5440, -5.6020, 46.4780

Conversions

Conversions Part 2

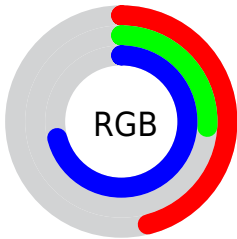
Format	Color
R _Y B	118, 66, 180
Decimal	7750324
CIE Lab	39.65, 45.41, -52.34
CIE LCh	40, 69.296, 310.948
Yxy	11.0433, 0.2416, 0.1511
Android (android.graphics.Color)	4285940404 (0xFF7642B4)
YUV	94.5440, 42.1298, 20.5709
Hunter-Lab	33.2315, 36.6912, -55.9279

Details

The Yxy color **11.0433, 0.2416, 0.1511** is a dark color, and the websafe version is hex **663399**. A complement of this color would be **37.6297, 0.3501, 0.5026**, and the grayscale version is **11.2285, 0.3127, 0.3290**.

A 20% lighter version of the original color is **27.8357, 0.2600, 0.1851**, and **2.9048, 0.2073, 0.1006** is the 20% darker color. If you saturate the color by 10%, you get **8.6107, 0.2275, 0.1264**, and if you desaturate by 10%, it is **14.2096, 0.2556, 0.1791**.

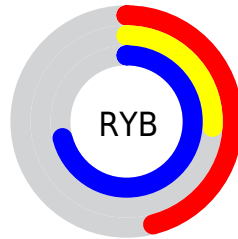
Distribution



Red (46%)

Green (26%)

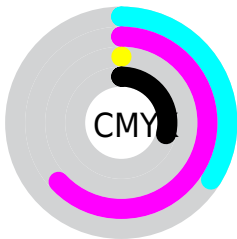
Blue (71%)



Red (46%)

Yellow (26%)

Blue (71%)

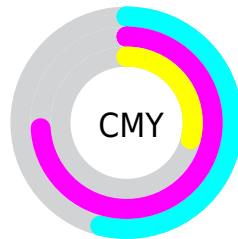


Cyan (34%)

Magenta (63%)

Yellow (0%)

Black (29%)



Cyan (54%)

Magenta (74%)


Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 11.0433, 0.2416, 0.1511 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 11.0433, 0.2416, 0.1511 by changing the saturation by 10% instead.


 11.0433, 0.2416,
0.1511


 11.0433, 0.2416,
0.1511


197.9644, 0.2863,
0.2443

 6.0960, 0.2273,
0.1282


 27.7402, 0.2602,
0.1851


 2.9035, 0.2071,
0.1002


 40.2586, 0.2665,
0.1980


 1.0816, 0.1779,
0.0667

 56.0694, 0.2715,
0.2088

 0.0000, 0.1387,
0.0000

 75.5571, 0.2756,
0.2180

 0.0000, 0.0061,
0.0000

 99.1060, 0.2790,
0.2260

 0.0000, 0.0000,
0.0000

127.1006, 0.2818,

0.2329

159.9253, 0.2842,
0.2389

■ 11.0433, 0.2416,
0.1511

■ 11.0433, 0.2416,
0.1511

■ 8.6107, 0.2275,
0.1264

■ 14.2096, 0.2556,
0.1791

■ 6.8439, 0.2140,
0.1063

■ 18.1667, 0.2689,
0.2087

■ 5.6637, 0.2017,
0.0917

■ 22.9673, 0.2812,
0.2387

■ 5.0936, 0.1942,
0.0844

■ 28.6589, 0.2922,
0.2679

■ 35.2855, 0.3019,
0.2954

■ 42.8881, 0.3102,
0.3210

■ 51.5053, 0.3173,
0.3443

■ 61.1735, 0.3233,
0.3653

■ 71.9272, 0.3283,
0.3842

Harmonies

Analogous

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



11.0433, 0.1478, 0.1324



11.0433, 0.2416, 0.1511



11.0433, 0.3910, 0.1994

Triad

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



11.0433, 0.2416, 0.1511



11.0433, 0.5502, 0.4418



11.0433, 0.1184, 0.3389

Complementary

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



11.0433, 0.2416, 0.1511



37.6297, 0.3501, 0.5026

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.



11.0433, 0.1972, 0.5402



11.0433, 0.2416, 0.1511



11.0433, 0.4447, 0.5541

Square

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



11.0433, 0.2416, 0.1511



11.0433, 0.5972, 0.3475



11.0433, 0.3148, 0.6216



11.0433, 0.0920, 0.2026

Rectangle

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



11.0433, 0.2416, 0.1511



11.0433, 0.4981, 0.2448



11.0433, 0.3148, 0.6216



11.0433, 0.1384, 0.4048

Sweetspot

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



11.0437, 0.2416, 0.1511



56.5669, 0.2963, 0.2791



20.0772, 0.2166, 0.2377



11.5195, 0.2934, 0.2712



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



11.0437, 0.2416, 0.1511



14.2036, 0.2221, 0.1178



16.2265, 0.3121, 0.1827



8.4136, 0.3054, 0.3060



3.5937, 0.1955, 0.0851



0.1479, 0.2282, 0.1031

Inverse Universe

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



15.1600, 0.3987, 0.2450



22.7615, 0.4280, 0.2357



34.4056, 0.3065, 0.5285



8.5800, 0.3205, 0.3167



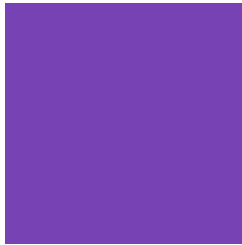
7.4003, 0.4746, 0.2388



0.2444, 0.4209, 0.2092

Previews

White Background



This preview shows how the Yxy color 11.0433, 0.2416, 0.1511 looks on a white background.

Color Contrast Check

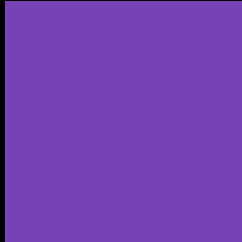
Large Text (above 18pt) WCAG AA ✓ Pass

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 11.0433, 0.2416, 0.1511 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

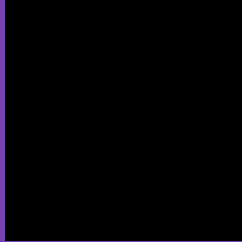
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 11.0433, 0.2416, 0.1511

Background



This preview shows how black text looks on a background with the Yxy color 11.0433, 0.2416, 0.1511.



This preview shows how white text looks on a background with the Yxy color 11.0433, 0.2416, 0.1511.

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

11.0433, 0.2416, 0.1511

Protanopia

11.1181, 0.1742, 0.1470

Deuteranopia

11.1929, 0.1843, 0.1833



Tritanopia

11.0002, 0.3215, 0.3131

Trichromacy



Original Color

11.0433, 0.2416, 0.1511



Protanomaly

10.0293, 0.1811, 0.1395



Deuteranomaly

9.9891, 0.1885, 0.1611



Tritanomaly

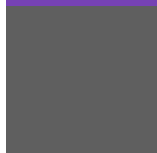
10.6053, 0.2879, 0.2356

Monochromacy



Original Color

11.0433, 0.2416, 0.1511



Achromatopsia

11.4435, 0.3127, 0.3290



Achromatomaly

10.7306, 0.2821, 0.2416

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.0433, 0.2416, 0.1511 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(118, 66, 180)` looks like.

```
.text, #text, p{  
    color:rgb(118, 66, 180)  
}
```

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(118, 66, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 66, 180) }
```

Border

The CSS property to change the border of an element to Yxy 11.0433, 0.2416, 0.1511 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(118, 66, 180) }
```

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

```
.border{ border-color:rgb(118, 66, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 66, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 66, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 66, 180);  
box-shadow:4px 4px 4px 4px rgb(118, 66,  
180) }
```


Background

The CSS property to change the background color of an element to Yxy 11.0433, 0.2416, 0.1511 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 66, 180) }
```

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

```
.background{ background-color: rgb(118, 66,  
180) }
```

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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