

Converting Colors

$Y_{xy}(10.6710, 0.2566, 0.1823)$

Have a look what the booklet for
Yxy(10.6710, 0.2566, 0.1823)
contains.

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Color

Yxy(10.6774, 0.2569, 0.1828)

Conversions

Conversions Part 1

Format	Color
Hex	6F4A9C
RGB	111, 74, 156
RGB Percent	44%, 29%, 61%
CMY	0.5647, 0.7098, 0.3882
CMYK	0.29, 0.53, 0.00, 0.39
HSL	267°, 36%, 45%
HSV	267°, 53%, 61%
XYZ	15.0056, 10.6774, 32.7273
YIQ	94.4110, -4.2700, 33.3460

Conversions

Conversions Part 2

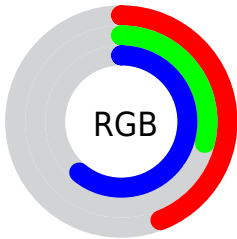
Format	Color
R_{YB}	111, 74, 156
Decimal	7293596
CIE _{Lab}	39.03, 33.03, -39.09
CIE _{LCh}	39, 51.175, 310.197
Yxy	10.6774, 0.2569, 0.1828
Android (android.graphics.Color)	4285483676 (0xFF6F4A9C)
YUV	94.4110, 30.3634, 14.5486
Hunter-Lab	32.6763, 24.7872, -36.5091

Details

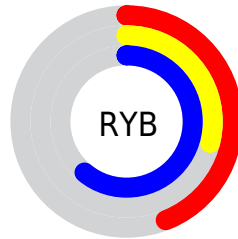
The Yxy color **10.6774, 0.2569, 0.1828** is a dark color, and the websafe version is hex **663399**. A complement of this color would be **28.1979, 0.3470, 0.4718**, and the grayscale version is **11.2235, 0.3127, 0.3290**.

A 20% lighter version of the original color is **27.1178, 0.2723, 0.2141**, and **2.7598, 0.2262, 0.1323** is the 20% darker color. If you saturate the color by 10%, you get **8.3176, 0.2430, 0.1547**, and if you desaturate by 10%, it is **13.6078, 0.2701, 0.2123**.

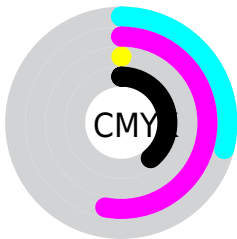
Distribution



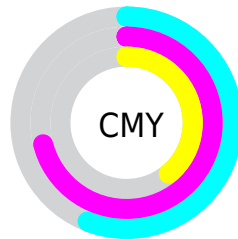
- Red (44%)
- Green (29%)
- Blue (61%)



- Red (44%)
- Yellow (29%)
- Blue (61%)



- Cyan (29%)
- Magenta (53%)
- Yellow (0%)
- Black (39%)



- Cyan (56%)
- Magenta (71%)
- Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.6774, 0.2569, 0.1828 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 10.6774, 0.2569, 0.1828 by changing the saturation by 10% instead.


 10.6774, 0.2569,
0.1828


 10.6774, 0.2569,
0.1828


195.4407, 0.2925,
0.2637


 5.8504, 0.2447,
0.1607


 27.0621, 0.2721,
0.2138


 2.7543, 0.2268,
0.1318

 39.3885, 0.2771,
0.2250


 1.0048, 0.1988,
0.0939

 54.9834, 0.2810,
0.2343

 0.0000, 0.1585,
0.0000

 74.2314, 0.2842,
0.2421

 0.0000, 0.0000,
0.0000

 97.5167, 0.2868,
0.2487

125.2238, 0.2890,

0.2544

157.7370, 0.2909,
0.2593

■ 10.6774, 0.2569,
0.1828

■ 10.6774, 0.2569,
0.1828

■ 8.3176, 0.2430,
0.1547

■ 13.6078, 0.2701,
0.2123

■ 6.4869, 0.2290,
0.1296

■ 17.1441, 0.2822,
0.2420

■ 5.1395, 0.2154,
0.1088

■ 21.3198, 0.2931,
0.2707

■ 4.2213, 0.2029,
0.0934

■ 26.1658, 0.3026,
0.2978

■ 3.7171, 0.1945,
0.0845

■ 31.7108, 0.3108,
0.3229

■ 37.9819, 0.3178,
0.3458

■ 45.0046, 0.3237,
0.3664

■ 52.8034, 0.3287,
0.3850

■ 61.4013, 0.3329,
0.4015

Harmonies

Analogous

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



10.6774, 0.1782, 0.1675



10.6774, 0.2569, 0.1828



10.6774, 0.3713, 0.2244

Triad

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



10.6774, 0.2569, 0.1828



10.6774, 0.5096, 0.4339



10.6774, 0.1604, 0.3453

Complementary

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



10.6774, 0.2569, 0.1828



28.1979, 0.3470, 0.4718

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.



10.6774, 0.2318, 0.4818



10.6774, 0.2569, 0.1828



10.6774, 0.4319, 0.5107

Square

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



10.6774, 0.2569, 0.1828



10.6774, 0.5357, 0.3567



10.6774, 0.3317, 0.5472



10.6774, 0.1312, 0.2369

Rectangle

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



10.6774, 0.2569, 0.1828



10.6774, 0.4506, 0.2638



10.6774, 0.3317, 0.5472



10.6774, 0.1796, 0.3916

Sweetspot

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



10.6778, 0.2569, 0.1828



44.0715, 0.2992, 0.2879



17.0755, 0.2323, 0.2570



9.3305, 0.2974, 0.2828



78.7412, 0.3127, 0.3290



13.2868, 0.3127, 0.3290

Same Dimension

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



10.6778, 0.2569, 0.1828



14.4814, 0.2407, 0.1503



13.9651, 0.3127, 0.2042



6.5744, 0.3054, 0.3064



3.0814, 0.1952, 0.0849



0.0799, 0.2414, 0.1103

Inverse Universe

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



13.2989, 0.3764, 0.2568



20.0108, 0.3981, 0.2440



25.8991, 0.3083, 0.4906



6.7040, 0.3203, 0.3168



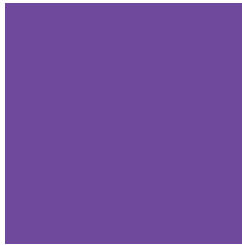
6.3773, 0.4714, 0.2371



0.1225, 0.3985, 0.1969

Previews

White Background



This preview shows how the Yxy color 10.6774, 0.2569, 0.1828 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 10.6774, 0.2569, 0.1828 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

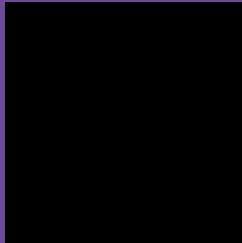
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.6774, 0.2569, 0.1828

Background



This preview shows how black text looks on a background with the Yxy color 10.6774, 0.2569, 0.1828.



This preview shows how white text looks on a background with the Yxy color 10.6774, 0.2569, 0.1828.

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

10.6774, 0.2569, 0.1828

Protanopia

10.7631, 0.1944, 0.1709

Deuteranopia

10.8526, 0.2080, 0.2043



Tritanopia

10.6986, 0.3199, 0.3129

Trichromacy



Original Color

10.6774, 0.2569, 0.1828

Protanomaly

10.4715, 0.2099, 0.1727

Deuteranomaly

10.4113, 0.2211, 0.1934

Tritanomaly

10.5917, 0.2943, 0.2566

Monochromacy



Original Color

10.6774, 0.2569, 0.1828

Achromatopsia

11.1932, 0.3127, 0.3290

Achromatomaly

10.8101, 0.2898, 0.2638

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.6774, 0.2569, 0.1828 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(111, 74, 156)` looks like.

```
.text, #text, p{  
    color:rgb(111, 74, 156)  
}
```

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(111, 74, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 74, 156) }
```

Border

The CSS property to change the border of an element to Yxy 10.6774, 0.2569, 0.1828 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(111, 74, 156) }
```

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

```
.border{ border-color:rgb(111, 74, 156) }
```

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

Here you see how a box with a 4 pixel rgb(111, 74, 156) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(111, 74, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(111, 74, 156);  
box-shadow:4px 4px 4px 4px rgb(111, 74,  
156) }
```


Background

The CSS property to change the background color of an element to Yxy 10.6774, 0.2569, 0.1828 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 74, 156) }
```

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

```
.background{ background-color: rgb(111, 74,  
156) }
```

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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