

Converting Colors

$Y_{xy}(10.6377, 0.2778, 0.1926)$

Have a look what the booklet for
Yxy(10.6377, 0.2778, 0.1926)
contains.

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Color

Yxy(10.6377, 0.2778, 0.1926)

Conversions

Conversions Part 1

Format	Color
Hex	784794
RGB	120, 71, 148
RGB Percent	47%, 28%, 58%
CMY	0.5294, 0.7216, 0.4197
CMYK	0.19, 0.52, 0.00, 0.42
HSL	278°, 35%, 43%
HSV	278°, 52%, 58%
XYZ	15.3435, 10.6377, 29.2509
YIQ	94.4290, 4.4870, 34.3350

Conversions

Conversions Part 2

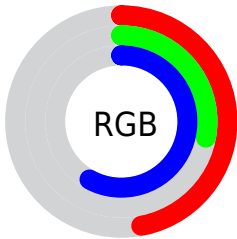
Format	Color
R _Y B	120, 71, 148
Decimal	7882644
CIE Lab	38.96, 35.34, -34.28
CIE LCh	39, 49.236, 315.866
Yxy	10.6377, 0.2778, 0.1926
Android (android.graphics.Color)	4286072724 (0xFF784794)
YUV	94.4290, 26.4105, 22.4258
Hunter-Lab	32.6155, 26.8956, -30.3429

Details

The Yxy color **10.6377, 0.2778, 0.1926** is a dark color, and the websafe version is hex **663399**. A complement of this color would be **24.2778, 0.3313, 0.4769**, and the grayscale version is **11.2363, 0.3127, 0.3290**.

A 20% lighter version of the original color is **26.9377, 0.2886, 0.2224**, and **2.7411, 0.2556, 0.1425** is the 20% darker color. If you saturate the color by 10%, you get **8.6058, 0.2686, 0.1676**, and if you desaturate by 10%, it is **13.1504, 0.2863, 0.2193**.

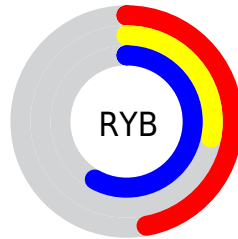
Distribution



Red (47%)

Green (28%)

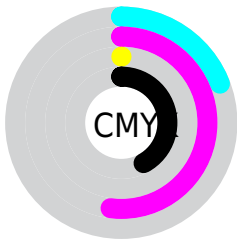
Blue (58%)



Red (47%)

Yellow (28%)

Blue (58%)

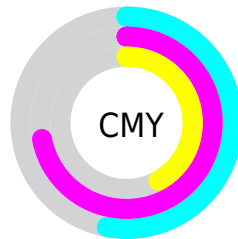


Cyan (19%)

Magenta (52%)

Yellow (0%)

Black (42%)



Cyan (53%)


Magenta (72%)

Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 10.6377, 0.2778, 0.1926 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 10.6377, 0.2778, 0.1926 by changing the saturation by 10% instead.


 10.6377, 0.2778,
0.1926


 10.6377, 0.2778,
0.1926


195.1648, 0.3012,
0.2687


 5.8238, 0.2691,
0.1713


 26.9882, 0.2882,
0.2221


 2.7382, 0.2557,
0.1430

 39.2936, 0.2914,
0.2326


 0.9966, 0.2335,
0.1048

 54.8650, 0.2940,
0.2413

 0.0000, 0.2033,
0.0000

 74.0867, 0.2960,
0.2486

 0.0000, 0.0000,
0.0000

 97.3431, 0.2977,
0.2547

125.0187, 0.2990,

0.2600

157.4978, 0.3002,
0.2646

■ 10.6377, 0.2778,
0.1926

■ 10.6377, 0.2778,
0.1926

■ 8.6058, 0.2686,
0.1676

■ 13.1504, 0.2863,
0.2193

■ 7.0192, 0.2590,
0.1456

■ 16.1734, 0.2941,
0.2467

■ 5.8394, 0.2494,
0.1275

■ 19.7354, 0.3009,
0.2737

■ 5.0206, 0.2401,
0.1141

■ 23.8623, 0.3068,
0.2997

■ 4.5282, 0.2329,
0.1056

■ 28.5786, 0.3118,
0.3243

■ 33.9072, 0.3160,
0.3470

■ 39.8697, 0.3195,
0.3679

■ 46.4867, 0.3223,
0.3869

■ 53.7780, 0.3247,
0.4040

Harmonies

Analogous

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



10.6377, 0.1936, 0.1726



10.6377, 0.2778, 0.1926



10.6377, 0.3919, 0.2377

Triad

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



10.6377, 0.2778, 0.1926



10.6377, 0.4932, 0.4473



10.6377, 0.1566, 0.3217

Complementary

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



10.6377, 0.2778, 0.1926



24.2778, 0.3313, 0.4769

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.



10.6377, 0.2191, 0.4528



10.6377, 0.2778, 0.1926



10.6377, 0.4124, 0.5171

Square

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



10.6377, 0.2778, 0.1926



10.6377, 0.5292, 0.3712



10.6377, 0.3133, 0.5352



10.6377, 0.1348, 0.2266

Rectangle

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



10.6377, 0.2778, 0.1926



10.6377, 0.4646, 0.2782



10.6377, 0.3133, 0.5352



10.6377, 0.1728, 0.3642

Sweetspot

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



10.6381, 0.2778, 0.1926



38.8594, 0.3044, 0.2887



12.4438, 0.2275, 0.2278



8.5640, 0.3033, 0.2839



74.8414, 0.3127, 0.3290



11.9280, 0.3127, 0.3290

Same Dimension

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



10.6381, 0.2778, 0.1926



14.8067, 0.2675, 0.1648



12.6273, 0.3337, 0.2214



5.8049, 0.3083, 0.3068



3.8849, 0.2334, 0.1059



0.0643, 0.2746, 0.1286

Inverse Universe

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



11.7009, 0.4019, 0.2814



17.0866, 0.4331, 0.2736



23.1098, 0.2977, 0.4686



5.8481, 0.3229, 0.3210



5.6083, 0.5466, 0.2785



0.0739, 0.4420, 0.2208

Previews

White Background



This preview shows how the Yxy color 10.6377, 0.2778, 0.1926 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 10.6377, 0.2778, 0.1926 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

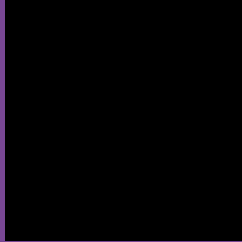
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.6377, 0.2778, 0.1926

Background



This preview shows how black text looks on a background with the Yxy color 10.6377, 0.2778, 0.1926.



This preview shows how white text looks on a background with the Yxy color 10.6377, 0.2778, 0.1926.

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

10.6377, 0.2778, 0.1926

Protanopia

10.8697, 0.2013, 0.1811

Deuteranopia

10.7917, 0.2221, 0.2171



Tritanopia

10.6492, 0.3457, 0.3137

Trichromacy



Original Color

10.6377, 0.2778, 0.1926

Protanomaly

10.3520, 0.2204, 0.1814

Deuteranomaly

10.3163, 0.2382, 0.2043

Tritanomaly

10.4846, 0.3191, 0.2628

Monochromacy



Original Color

10.6377, 0.2778, 0.1926

Achromatopsia

11.1932, 0.3127, 0.3290

Achromatomaly

10.7540, 0.2984, 0.2683

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.6377, 0.2778, 0.1926 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(120, 71, 148)` looks like.

```
.text, #text, p{  
    color:rgb(120, 71, 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(120, 71, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 71, 148) }
```

Border

The CSS property to change the border of an element to Yxy 10.6377, 0.2778, 0.1926 is called "border". The border property can be set on classes, ids or directly on the HTML element.

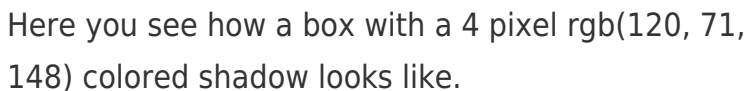
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(120, 71, 148) }
```

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

```
.border{ border-color:rgb(120, 71, 148) }
```

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



Here you see how a box with a 4 pixel rgb(120, 71, 148) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(120, 71, 148); -webkit-box-shadow:4px 4px 4px 4px rgb(120, 71, 148); box-shadow:4px 4px 4px 4px rgb(120, 71, 148) }
```


Background

The CSS property to change the background color of an element to Yxy 10.6377, 0.2778, 0.1926 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 71, 148) }
```

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

```
.background{ background-color: rgb(120, 71,  
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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