

Converting Colors

$Y_{xy}(14.8365, 0.2792, 0.2400)$

Have a look what the booklet for
Yxy(14.8365, 0.2792, 0.2400)
contains.

Yxy(14.7639, 0.2801, 0.2399)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(14.7639, 0.2801, 0.2399)

Conversions

Conversions Part 1

Format	Color
Hex	776293
RGB	119, 98, 147
RGB Percent	47%, 38%, 58%
CMY	0.5335, 0.6156, 0.4236
CMYK	0.19, 0.33, 0.00, 0.42
HSL	266°, 20%, 48%
HSV	266°, 33%, 58%
XYZ	17.2379, 14.7639, 29.5401
YIQ	109.8650, -3.2130, 19.6910

Conversions

Conversions Part 2

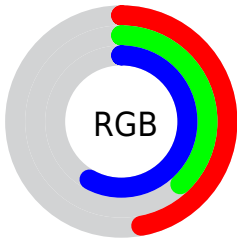
Format	Color
R _Y B	119, 98, 147
Decimal	7824019
CIE Lab	45.31, 18.76, -23.77
CIE LCh	45, 30.278, 308.280
Yxy	14.7639, 0.2801, 0.2399
Android (android.graphics.Color)	4286014099 (0xFF776293)
YUV	109.8650, 18.3076, 8.0114
Hunter-Lab	38.4238, 12.8379, -18.6853

Details

The Yxy color **14.7639, 0.2801, 0.2399** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **26.1845, 0.3377, 0.4161**, and the grayscale version is **15.4991, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.4826, 0.2887, 0.2599**, and **4.4774, 0.2631, 0.2049** is the 20% darker color. If you saturate the color by 10%, you get **11.6925, 0.2675, 0.2101**, and if you desaturate by 10%, it is **18.3943, 0.2915, 0.2688**.

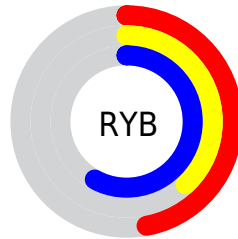
Distribution



Red (47%)

Green (38%)

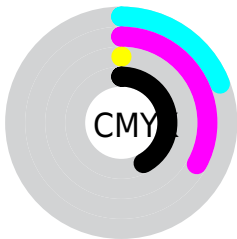
Blue (58%)



Red (47%)

Yellow (38%)

Blue (58%)

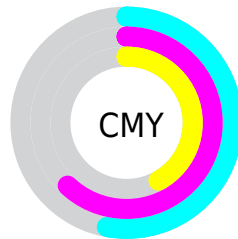


Cyan (19%)

Magenta (33%)

Yellow (0%)

Black (42%)



Cyan (53%)

Magenta (62%)

Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 14.7639, 0.2801, 0.2399 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 14.7639, 0.2801, 0.2399 by changing the saturation by 10% instead.

■ 14.7639, 0.2801,
0.2399

■ 14.7639, 0.2801,
0.2399

221.9327, 0.3000,
0.2899

■ 8.6539, 0.2735,
0.2254

■ 34.4385, 0.2884,
0.2595

■ 4.5161, 0.2638,
0.2055

■ 48.7718, 0.2912,
0.2664

■ 1.9662, 0.2482,
0.1767

■ 66.6149, 0.2934,
0.2721

■ 0.5878, 0.2221,
0.1269

■ 88.3524, 0.2952,
0.2769

■ 0.0000, 0.0000,
0.0000

114.3685, 0.2967,
0.2809

145.0476, 0.2980,

0.2843

180.7742, 0.2991,
0.2873

■ 14.7639, 0.2801,
0.2399

■ 14.7639, 0.2801,
0.2399

■ 11.6925, 0.2675,
0.2101

■ 18.3943, 0.2915,
0.2688

■ 9.1493, 0.2538,
0.1804

■ 22.6089, 0.3015,
0.2960

■ 7.1031, 0.2394,
0.1522


■ 27.4332, 0.3101,
0.3211


■ 5.5186, 0.2250,
0.1270


■ 32.8910, 0.3175,
0.3441


■ 4.3557, 0.2112,
0.1062


■ 39.0046, 0.3238,
0.3648

 3.5668, 0.1986,
0.0909

 45.7952, 0.3291,
0.3833

 3.1593, 0.1909,
0.0825

 53.2830, 0.3335,
0.3998

 61.4876, 0.3373,
0.4145

 70.4275, 0.3403,
0.4275

Harmonies

Analogous

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



14.7639, 0.2321, 0.2325



14.7639, 0.2801, 0.2399



14.7639, 0.3424, 0.2659

Triad

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



14.7639, 0.2801, 0.2399



14.7639, 0.4294, 0.3989



14.7639, 0.2291, 0.3458

Complementary

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



14.7639, 0.2801, 0.2399



26.1845, 0.3377, 0.4161

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.



14.7639, 0.2761, 0.4071



14.7639, 0.2801, 0.2399



14.7639, 0.3923, 0.4339

Square

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



14.7639, 0.2801, 0.2399



14.7639, 0.4339, 0.3525



14.7639, 0.3358, 0.4407



14.7639, 0.2050, 0.2862

Rectangle

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



14.7639, 0.2801, 0.2399



14.7639, 0.3833, 0.2913



14.7639, 0.3358, 0.4407



14.7639, 0.2425, 0.3675

Sweetspot

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



14.7645, 0.2801, 0.2399



43.0655, 0.3043, 0.3040



19.7753, 0.2620, 0.2904



9.5872, 0.3032, 0.3008



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.



14.7645, 0.2801, 0.2399



22.2247, 0.2707, 0.2176



16.6761, 0.3111, 0.2477



5.7470, 0.3052, 0.3066



2.7535, 0.1914, 0.0828



0.0505, 0.2414, 0.1103

Inverse Universe

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



16.4478, 0.3449, 0.2813



25.7999, 0.3548, 0.2703



24.5766, 0.3123, 0.4234



5.8677, 0.3199, 0.3164



5.9391, 0.4614, 0.2315



0.0786, 0.3869, 0.1905

Previews

White Background



This preview shows how the Yxy color 14.7639, 0.2801, 0.2399 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 14.7639, 0.2801, 0.2399 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 14.7639, 0.2801, 0.2399

Background



This preview shows how black text looks on a background with the Yxy color 14.7639, 0.2801, 0.2399.



This preview shows how white text looks on a background with the Yxy color 14.7639, 0.2801, 0.2399.

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

14.7639, 0.2801, 0.2399

Protanopia

14.8833, 0.2455, 0.2385

Deuteranopia

14.8392, 0.2567, 0.2524



Tritanopia

14.8061, 0.3135, 0.3127

Trichromacy



Original Color

14.7639, 0.2801, 0.2399

Protanomaly

14.7596, 0.2569, 0.2382

Deuteranomaly

14.7189, 0.2639, 0.2467

Tritanomaly

14.6282, 0.3011, 0.2837

Monochromacy



Original Color

14.7639, 0.2801, 0.2399

Achromatopsia

15.5926, 0.3127, 0.3290

Achromatomaly

15.2488, 0.3008, 0.2952

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.7639, 0.2801, 0.2399 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(119, 98, 147)` looks like.

```
.text, #text, p{  
    color:rgb(119, 98, 147)  
}
```

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(119, 98, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 98, 147) }
```

Border

The CSS property to change the border of an element to Yxy 14.7639, 0.2801, 0.2399 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(119, 98, 147) }
```

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

```
.border{ border-color:rgb(119, 98, 147) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 98, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(119, 98, 147); -webkit-box-shadow:4px 4px 4px 4px rgb(119, 98, 147); box-shadow:4px 4px 4px 4px rgb(119, 98, 147) }
```


Background

The CSS property to change the background color of an element to Yxy 14.7639, 0.2801, 0.2399 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 98, 147) }
```

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

```
.background{ background-color: rgb(119, 98,  
147) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor