

Converting Colors

$Y_{xy}(15.8379, 0.2900, 0.2564)$

Have a look what the booklet for
Yxy(15.8379, 0.2900, 0.2564)
contains.

Yxy(15.8946, 0.2900, 0.2565)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(15.8946, 0.2900, 0.2565)

Conversions

Conversions Part 1

Format	Color
Hex	7B678F
RGB	123, 103, 143
RGB Percent	48%, 40%, 56%
CMY	0.5178, 0.5960, 0.4393
CMYK	0.14, 0.28, 0.00, 0.44
HSL	270°, 16%, 48%
HSV	270°, 28%, 56%
XYZ	17.9705, 15.8946, 28.1021
YIQ	113.5400, -0.9200, 16.6800

Conversions

Conversions Part 2

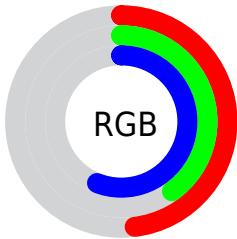
Format	Color
R _Y B	123, 103, 143
Decimal	8087439
CIE Lab	46.84, 16.13, -19.00
CIE LCh	47, 24.924, 310.331
Yxy	15.8946, 0.2900, 0.2565
Android (android.graphics.Color)	4286277519 (0xFF7B678F)
YUV	113.5400, 14.5238, 8.2964
Hunter-Lab	39.8680, 10.6898, -13.8847

Details

The Yxy color **15.8946, 0.2900, 0.2565** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **24.8361, 0.3307, 0.4016**, and the grayscale version is **16.6376, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.3725, 0.2958, 0.2721**, and **5.0745, 0.2787, 0.2276** is the 20% darker color. If you saturate the color by 10%, you get **12.7799, 0.2796, 0.2279**, and if you desaturate by 10%, it is **19.5358, 0.2992, 0.2840**.

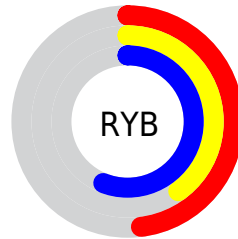
Distribution



Red (48%)

Green (40%)

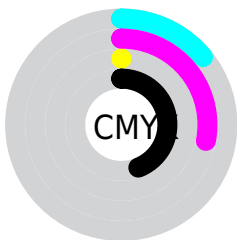
Blue (56%)



Red (48%)

Yellow (40%)

Blue (56%)

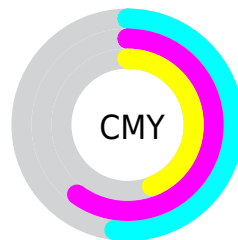


Cyan (14%)

Magenta (28%)

Yellow (0%)

Black (44%)



Cyan (52%)


Magenta (60%)


Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.8946, 0.2900, 0.2565 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 15.8946, 0.2900, 0.2565 by changing the saturation by 10% instead.


 15.8946, 0.2900,
0.2565


 15.8946, 0.2900,
0.2565


228.7190, 0.3038,
0.2973

 9.4496, 0.2854,
0.2445


 36.4151, 0.2958,
0.2726


 5.0356, 0.2786,
0.2280


 51.2594, 0.2977,
0.2782

 2.2682, 0.2677,
0.2037

 69.6723, 0.2992,
0.2828

 0.7568, 0.2482,
0.1643

 92.0382, 0.3005,
0.2867

 0.0000, 0.0604,
0.0000

118.7414, 0.3015,
0.2899

 0.0000, 0.0000,
0.0000

150.1663, 0.3024,

0.2927

186.6974, 0.3032,
0.2952

■ 15.8946, 0.2900,
0.2565

■ 15.8946, 0.2900,
0.2565

■ 12.7799, 0.2796,
0.2279

■ 19.5358, 0.2992,
0.2840

■ 10.1642, 0.2681,
0.1990

■ 23.7253, 0.3072,
0.3099

■ 8.0204, 0.2557,
0.1710

■ 28.4862, 0.3140,
0.3337

■ 6.3178, 0.2428,
0.1451

■ 33.8393, 0.3198,
0.3555

■ 5.0222, 0.2300,
0.1229

■ 39.8048, 0.3247,
0.3751

4.0938, 0.2177,
0.1053

46.4015, 0.3287,
0.3928

3.4541, 0.2063,
0.0923

53.6477, 0.3321,
0.4086

3.3339, 0.2040,
0.0898

61.5608, 0.3349,
0.4227

70.1576, 0.3372,
0.4353

Harmonies

Analogous

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



15.8946, 0.2492, 0.2496



15.8946, 0.2900, 0.2565



15.8946, 0.3405, 0.2792

Triad

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



15.8946, 0.2900, 0.2565



15.8946, 0.4061, 0.3899



15.8946, 0.2428, 0.3396

Complementary

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



15.8946, 0.2900, 0.2565



24.8361, 0.3307, 0.4016

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.



15.8946, 0.2808, 0.3877



15.8946, 0.2900, 0.2565



15.8946, 0.3754, 0.4152

Square

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



15.8946, 0.2900, 0.2565



15.8946, 0.4107, 0.3526



15.8946, 0.3292, 0.4165



15.8946, 0.2237, 0.2928

Rectangle

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



15.8946, 0.2900, 0.2565



15.8946, 0.3726, 0.3010



15.8946, 0.3292, 0.4165



15.8946, 0.2537, 0.3565

Sweetspot

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



15.8953, 0.2900, 0.2565



42.3211, 0.3070, 0.3093



19.2007, 0.2698, 0.2924



9.4527, 0.3060, 0.3058



72.9347, 0.3127, 0.3290



11.2805, 0.3127, 0.3290

Same Dimension

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



15.8953, 0.2900, 0.2565



24.5939, 0.2831, 0.2372



17.4671, 0.3150, 0.2617



5.3788, 0.3063, 0.3068



2.9608, 0.2045, 0.0900



0.0414, 0.2533, 0.1169

Inverse Universe

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



16.9751, 0.3423, 0.2941



26.9416, 0.3519, 0.2852



23.5453, 0.3098, 0.4065



5.4664, 0.3208, 0.3180



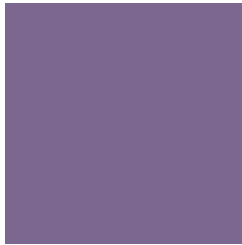
5.5777, 0.4900, 0.2473



0.0578, 0.4031, 0.1994

Previews

White Background



This preview shows how the Yxy color 15.8946, 0.2900, 0.2565 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 15.8946, 0.2900, 0.2565 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

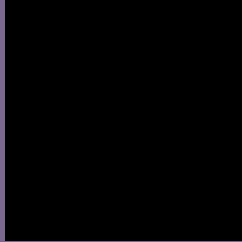
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.8946, 0.2900, 0.2565

Background



This preview shows how black text looks on a background with the Yxy color 15.8946, 0.2900, 0.2565.



This preview shows how white text looks on a background with the Yxy color 15.8946, 0.2900, 0.2565.

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

15.8946, 0.2900, 0.2565

Protanopia

15.9993, 0.2591, 0.2563

Deuteranopia

15.9544, 0.2713, 0.2656



Tritanopia

15.9314, 0.3163, 0.3114

Trichromacy



Original Color

15.8946, 0.2900, 0.2565

Protanomaly

15.7789, 0.2692, 0.2554

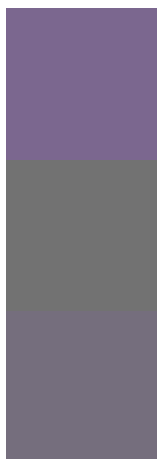
Deuteranomaly

15.9131, 0.2780, 0.2630

Tritanomaly

15.8075, 0.3064, 0.2907

Monochromacy



Original Color

15.8946, 0.2900, 0.2565

Achromatopsia

16.8269, 0.3127, 0.3290

Achromatomaly

16.4144, 0.3036, 0.3000

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.8946, 0.2900, 0.2565 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(123, 103, 143)` looks like.

```
.text, #text, p{  
    color:rgb(123, 103, 143)  
}
```

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(123, 103, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 103, 143) }
```

Border

The CSS property to change the border of an element to Yxy 15.8946, 0.2900, 0.2565 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(123, 103, 143) }
```

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

```
.border{ border-color:rgb(123, 103, 143) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 103, 143)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 103, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 103, 143);  
box-shadow:4px 4px 4px 4px rgb(123, 103,  
143) }
```


Background

The CSS property to change the background color of an element to Yxy 15.8946, 0.2900, 0.2565 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 103, 143) }
```

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

```
.background{ background-color: rgb(123,  
103, 143) }
```

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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