

Converting Colors

$Y_{xy}(17.6953, 0.3014, 0.2594)$

Have a look what the booklet for
Yxy(17.6953, 0.3014, 0.2594)
contains.

Yxy(17.6489, 0.3019, 0.2590)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(17.6489, 0.3019, 0.2590)

Conversions

Conversions Part 1

Format	Color
Hex	886A93
RGB	136, 106, 147
RGB Percent	53%, 42%, 58%
CMY	0.4667, 0.5843, 0.4236
CMYK	0.07, 0.28, 0.00, 0.42
HSL	284°, 16%, 50%
HSV	284°, 28%, 58%
XYZ	20.5722, 17.6489, 29.9214
YIQ	119.6440, 4.7190, 19.1110

Conversions

Conversions Part 2

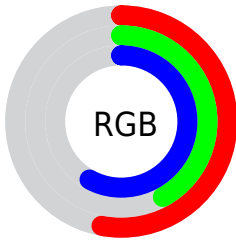
Format	Color
R_{YB}	136, 106, 147
Decimal	8940179
CIE _{Lab}	49.07, 19.74, -17.84
CIE _{LCh}	49, 26.610, 317.892
Yxy	17.6489, 0.3019, 0.2590
Android (android.graphics.Color)	4287130259 (0xFF886A93)
YUV	119.6440, 13.4865, 14.3442
Hunter-Lab	42.0106, 13.8913, -12.8209

Details

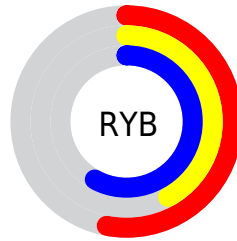
The Yxy color **17.6489, 0.3019, 0.2590** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **25.6870, 0.3204, 0.4040**, and the grayscale version is **18.6182, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.6179, 0.3051, 0.2747**, and **5.8491, 0.2971, 0.2329** is the 20% darker color. If you saturate the color by 10%, you get **14.5509, 0.2967, 0.2327**, and if you desaturate by 10%, it is **21.2799, 0.3064, 0.2850**.

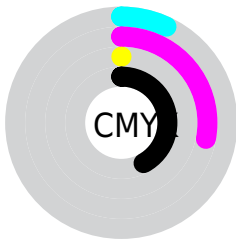
Distribution



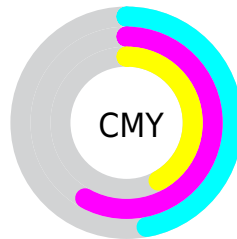
- Red (53%)
- Green (42%)
- Blue (58%)



- Red (53%)
- Yellow (42%)
- Blue (58%)



- Cyan (7%)
- Magenta (28%)
- Yellow (0%)
- Black (42%)





- Cyan (47%)
- Magenta (58%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.6489, 0.3019, 0.2590 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 17.6489, 0.3019, 0.2590 by changing the saturation by 10% instead.


 17.6489, 0.3019,
0.2590


 17.6489, 0.3019,
0.2590


238.8846, 0.3088,
0.2977


 10.6982, 0.2995,
0.2479

 39.4381, 0.3049,
0.2741


 5.8643, 0.2959,
0.2328


 55.0455, 0.3058,
0.2794

 2.7627, 0.2899,
0.2110

 74.3072, 0.3066,
0.2838

 1.0092, 0.2786,
0.1772

 97.6076, 0.3072,
0.2875

 0.0000, 0.2510,
0.0000

125.3312, 0.3077,
0.2906

 0.0000, 0.0000,
0.0000

157.8622, 0.3081,

0.2933

195.5852, 0.3085,
0.2957

■ 17.6489, 0.3019,
0.2590

■ 17.6489, 0.3019,
0.2590

■ 14.5509, 0.2967,
0.2327

■ 21.2799, 0.3064,
0.2850

■ 11.9570, 0.2909,
0.2069

■ 25.4662, 0.3102,
0.3102

■ 9.8390, 0.2845,
0.1827

■ 30.2320, 0.3133,
0.3339

■ 8.1650, 0.2776,
0.1612

■ 35.5988, 0.3159,
0.3560

■ 6.8990, 0.2706,
0.1432

■ 41.5875, 0.3180,
0.3763

■ 5.9993, 0.2635,
0.1295

■ 48.2178, 0.3197,
0.3949

■ 5.3863, 0.2565,
0.1198

■ 55.5084, 0.3210,
0.4118

■ 5.2663, 0.2551,
0.1179

■ 63.4773, 0.3220,
0.4270

■ 72.1419, 0.3227,
0.4407

Harmonies

Analogous

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



17.6489, 0.2564, 0.2475



17.6489, 0.3019, 0.2590



17.6489, 0.3544, 0.2857

Triad

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



17.6489, 0.3019, 0.2590



17.6489, 0.4031, 0.3997



17.6489, 0.2338, 0.3268

Complementary

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



17.6489, 0.3019, 0.2590



25.6870, 0.3204, 0.4040

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.



17.6489, 0.2684, 0.3782



17.6489, 0.3019, 0.2590



17.6489, 0.3662, 0.4210

Square

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



17.6489, 0.3019, 0.2590



17.6489, 0.4154, 0.3633



17.6489, 0.3167, 0.4147



17.6489, 0.2198, 0.2816

Rectangle

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



17.6489, 0.3019, 0.2590



17.6489, 0.3852, 0.3096



17.6489, 0.3167, 0.4147



17.6489, 0.2433, 0.3442

Sweetspot

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



17.6497, 0.3019, 0.2590



45.3868, 0.3101, 0.3095



18.0383, 0.2680, 0.2740



10.1072, 0.3096, 0.3060



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.



17.6497, 0.3019, 0.2590



28.2819, 0.2990, 0.2437



18.3499, 0.3270, 0.2755



5.8317, 0.3097, 0.3069



4.5788, 0.2554, 0.1181



0.0705, 0.2880, 0.1360

Inverse Universe

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



17.7962, 0.3554, 0.3101



28.6296, 0.3677, 0.3060



25.1639, 0.3011, 0.3893



5.8394, 0.3243, 0.3231



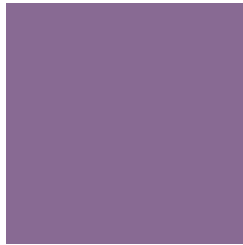
5.5110, 0.5813, 0.2976



0.0718, 0.4765, 0.2399

Previews

White Background



This preview shows how the Yxy color 17.6489, 0.3019, 0.2590 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 17.6489, 0.3019, 0.2590 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

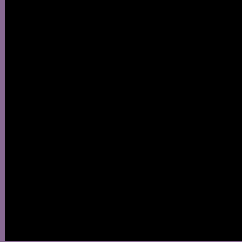
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 17.6489, 0.3019, 0.2590

Background



This preview shows how black text looks on a background with the Yxy color 17.6489, 0.3019, 0.2590.



This preview shows how white text looks on a background with the Yxy color 17.6489, 0.3019, 0.2590.

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

17.6489, 0.3019, 0.2590

Protanopia

17.6587, 0.2610, 0.2574

Deuteranopia

17.6564, 0.2781, 0.2718



Tritanopia

17.6305, 0.3295, 0.3125

Trichromacy



Original Color

17.6489, 0.3019, 0.2590

Protanomaly

17.6046, 0.2752, 0.2589

Deuteranomaly

17.5818, 0.2860, 0.2661

Tritanomaly

17.5355, 0.3185, 0.2913

Monochromacy



Original Color

17.6489, 0.3019, 0.2590

Achromatopsia

18.7821, 0.3127, 0.3290

Achromatomaly

18.3088, 0.3089, 0.3014

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.6489, 0.3019, 0.2590 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(136, 106, 147)` looks like.

```
.text, #text, p{  
    color:rgb(136, 106, 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(136, 106, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 106, 147) }
```

Border

The CSS property to change the border of an element to Yxy 17.6489, 0.3019, 0.2590 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(136, 106, 147) }
```

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

```
.border{ border-color:rgb(136, 106, 147) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 106, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 106, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 106, 147);  
box-shadow:4px 4px 4px 4px rgb(136, 106,  
147) }
```


Background

The CSS property to change the background color of an element to Yxy 17.6489, 0.3019, 0.2590 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 106, 147) }
```

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

```
.background{ background-color: rgb(136,  
106, 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