

Converting Colors

$Y_{xy}(18.6799, 0.2983, 0.2541)$

Have a look what the booklet for
Yxy(18.6799, 0.2983, 0.2541)
contains.

Yxy(18.7593, 0.2976, 0.2544)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(18.7593, 0.2976, 0.2544)

Conversions

Conversions Part 1

Format	Color
Hex	8B6D9A
RGB	139, 109, 154
RGB Percent	55%, 43%, 60%
CMY	0.4550, 0.5725, 0.3961
CMYK	0.10, 0.29, 0.00, 0.40
HSL	280°, 18%, 52%
HSV	280°, 29%, 60%
XYZ	21.9448, 18.7593, 33.0352
YIQ	123.1000, 3.4350, 20.3550

Conversions

Conversions Part 2

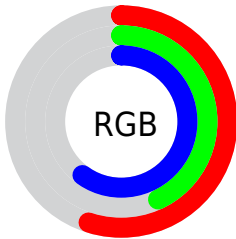
Format	Color
R _Y B	139, 109, 154
Decimal	9137562
CIE Lab	50.40, 20.51, -19.90
CIE LCh	50, 28.579, 315.868
Yxy	18.7593, 0.2976, 0.2544
Android (android.graphics.Color)	4287327642 (0xFF8B6D9A)
YUV	123.1000, 15.2337, 13.9443
Hunter-Lab	43.3120, 14.6444, -14.9037

Details

The Yxy color $18.7593, 0.2976, 0.2544$ is a dark color, and the websafe version is hex 996699 . A complement of this color would be $28.5036, 0.3237, 0.4077$, and the grayscale version is $19.7897, 0.3127, 0.3290$.

A 20% lighter version of the original color is $41.4306, 0.3012, 0.2698$, and $6.3915, 0.2890, 0.2269$ is the 20% darker color. If you saturate the color by 10%, you get $15.3243, 0.2908, 0.2273$, and if you desaturate by 10%, it is $22.7924, 0.3036, 0.2811$.

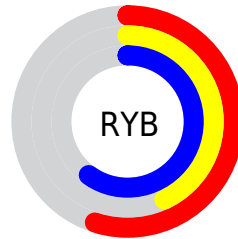
Distribution



Red (55%)

Green (43%)

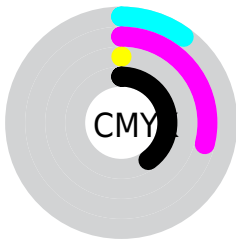
Blue (60%)



Red (55%)

Yellow (43%)

Blue (60%)

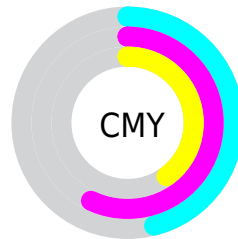


Cyan (10%)

Magenta (29%)

Yellow (0%)

Black (40%)



Cyan (46%)


Magenta (57%)


Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.7593, 0.2976, 0.2544 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 18.7593, 0.2976, 0.2544 by changing the saturation by 10% instead.

 18.7593, 0.2976,
0.2544


 18.7593, 0.2976,
0.2544


245.1167, 0.3069,
0.2952


 11.4965, 0.2945,
0.2430


 41.3270, 0.3015,
0.2701

 6.4018, 0.2899,
0.2276


 57.4006, 0.3028,
0.2757

 3.0909, 0.2826,
0.2057


 77.1800, 0.3039,
0.2804

 1.1794, 0.2697,
0.1726

 101.0495, 0.3047,
0.2843

 0.0448, 0.2574,
0.0212

129.3935, 0.3054,
0.2876

 0.0000, 0.0000,
0.0000

162.5965, 0.3060,

0.2905

201.0428, 0.3065,
0.2930

■ 18.7593, 0.2976,
0.2544

■ 18.7593, 0.2976,
0.2544

■ 15.3243, 0.2908,
0.2273

■ 22.7924, 0.3036,
0.2811

■ 12.4547, 0.2831,
0.2006

■ 27.4494, 0.3087,
0.3067

■ 10.1183, 0.2748,
0.1755

■ 32.7573, 0.3130,
0.3308

■ 8.2785, 0.2661,
0.1531

■ 38.7410, 0.3166,
0.3532

■ 6.8940, 0.2572,
0.1344

■ 45.4238, 0.3196,
0.3737

■ 5.9166, 0.2484,
0.1202

■ 52.8282, 0.3220,
0.3923

■ 5.2404, 0.2399,
0.1100

■ 60.9755, 0.3239,
0.4091

■ 5.1900, 0.2393,
0.1092

■ 69.8860, 0.3254,
0.4243

■ 79.5795, 0.3266,
0.4379

Harmonies

Analogous

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



18.7593, 0.2509, 0.2435



18.7593, 0.2976, 0.2544



18.7593, 0.3528, 0.2813

Triad

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



18.7593, 0.2976, 0.2544



18.7593, 0.4094, 0.4007



18.7593, 0.2318, 0.3301

Complementary

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



18.7593, 0.2976, 0.2544



28.5036, 0.3237, 0.4077

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.



18.7593, 0.2691, 0.3843



18.7593, 0.2976, 0.2544



18.7593, 0.3718, 0.4251

Square

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



18.7593, 0.2976, 0.2544



18.7593, 0.4205, 0.3617



18.7593, 0.3203, 0.4212



18.7593, 0.2156, 0.2816

Rectangle

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



18.7593, 0.2976, 0.2544



18.7593, 0.3861, 0.3058



18.7593, 0.3203, 0.4212



18.7593, 0.2421, 0.3486

Sweetspot

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



18.7601, 0.2976, 0.2544



49.8917, 0.3087, 0.3068



20.1917, 0.2661, 0.2763



11.0146, 0.3081, 0.3034



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.



18.7601, 0.2976, 0.2544



29.9079, 0.2933, 0.2368



19.9250, 0.3242, 0.2682



6.2202, 0.3087, 0.3067



4.2486, 0.2399, 0.1095



0.0832, 0.2772, 0.1301

Inverse Universe

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



19.2669, 0.3543, 0.3043



31.0469, 0.3672, 0.2985



27.6184, 0.3031, 0.3986



6.2550, 0.3234, 0.3216



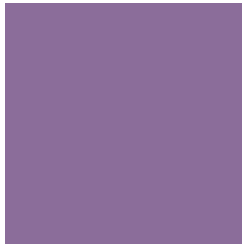
5.8013, 0.5582, 0.2849



0.0930, 0.4538, 0.2273

Previews

White Background



This preview shows how the Yxy color 18.7593, 0.2976, 0.2544 looks on a white 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

Black Background



This preview shows how the Yxy color 18.7593, 0.2976, 0.2544 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

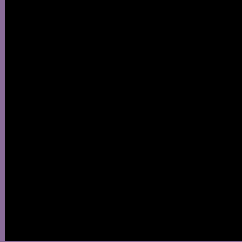
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.7593, 0.2976, 0.2544

Background



This preview shows how black text looks on a background with the Yxy color 18.7593, 0.2976, 0.2544.



This preview shows how white text looks on a background with the Yxy color 18.7593, 0.2976, 0.2544.

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

18.7593, 0.2976, 0.2544

Protanopia

18.9550, 0.2578, 0.2543

Deuteranopia

18.8687, 0.2729, 0.2679



Tritanopia

18.7850, 0.3264, 0.3128

Trichromacy



Original Color

18.7593, 0.2976, 0.2544

Protanomaly

18.6520, 0.2710, 0.2539

Deuteranomaly

18.8465, 0.2814, 0.2627

Tritanomaly

18.7938, 0.3158, 0.2905

Monochromacy



Original Color

18.7593, 0.2976, 0.2544

Achromatopsia

19.8069, 0.3127, 0.3290

Achromatomaly

19.3452, 0.3079, 0.3003

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.7593, 0.2976, 0.2544 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(139, 109, 154)` looks like.

```
.text, #text, p{  
    color:rgb(139, 109, 154)  
}
```

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(139, 109, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 109, 154) }
```

Border

The CSS property to change the border of an element to Yxy 18.7593, 0.2976, 0.2544 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(139, 109, 154) }
```

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

```
.border{ border-color:rgb(139, 109, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(139, 109, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 109, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 109, 154);  
box-shadow:4px 4px 4px 4px rgb(139, 109,  
154) }
```


Background

The CSS property to change the background color of an element to Yxy 18.7593, 0.2976, 0.2544 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 109, 154) }
```

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

```
.background{ background-color: rgb(139,  
109, 154) }
```

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