

Converting Colors

$Yxy(18.9422, 0.2561, 0.3416)$

Have a look what the booklet for
Yxy(18.9422, 0.2561, 0.3416)
contains.

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Color

Yxy(18.9422, 0.2561, 0.3416)

Conversions

Conversions Part 1

Format	Color
Hex	44837D
RGB	68, 131, 125
RGB Percent	27%, 51%, 49%
CMY	0.7334, 0.4863, 0.5098
CMYK	0.48, 0.00, 0.05, 0.49
HSL	174°, 32%, 39%
HSV	174°, 48%, 51%
XYZ	14.2011, 18.9422, 22.3081
YIQ	111.4790, -35.6220, -15.2220

Conversions

Conversions Part 2

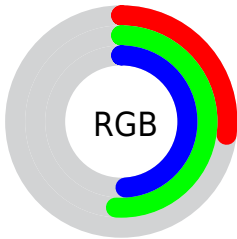
Format	Color
R_{YB}	68, 101, 131
Decimal	4490109
CIE _{Lab}	50.62, -21.84, -3.04
CIE _{LCh}	51, 22.047, 187.934
Yxy	18.9422, 0.2561, 0.3416
Android (android.graphics.Color)	4282680189 (0xFF44837D)
YUV	111.4790, 6.6659, -38.1311
Hunter-Lab	43.5226, -17.9214, 0.0760

Details

The Yxy color **18.9422, 0.2561, 0.3416** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **9.4534, 0.4256, 0.3177**, and the grayscale version is **16.0306, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.5603, 0.2687, 0.3378**, and **6.4583, 0.2330, 0.3461** is the 20% darker color. If you saturate the color by 10%, you get **18.4917, 0.2480, 0.3447**, and if you desaturate by 10%, it is **19.4998, 0.2657, 0.3387**.

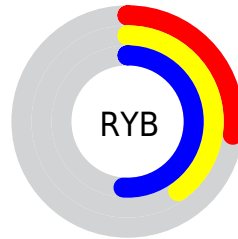
Distribution



 Red (27%)

 Green (51%)

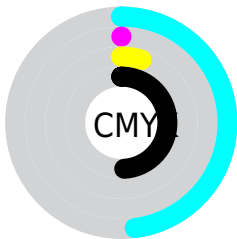
 Blue (49%)




 Red (27%)

 Yellow (40%)

 Blue (51%)

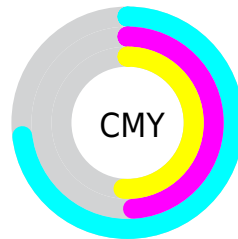


 Cyan (48%)


 Magenta (0%)

 Yellow (5%)

 Black (49%)



 Cyan (73%)

 Magenta (49%)

 Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 18.9422, 0.2561, 0.3416 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 18.9422, 0.2561, 0.3416 by changing the saturation by 10% instead.

■ 18.9422, 0.2561,
0.3416

■ 18.9422, 0.2561,
0.3416

■ 246.1295, 0.2883,
0.3348

■ 11.6285, 0.2464,
0.3435

■ 41.6364, 0.2689,
0.3390

■ 6.4913, 0.2329,
0.3460

■ 57.7857, 0.2734,
0.3380

■ 3.1460, 0.2125,
0.3494

■ 77.6490, 0.2770,
0.3373

■ 1.2084, 0.1725,
0.3567

■ 101.6108, 0.2800,
0.3366

■ 0.0686, 0.0000,
0.1926

■ 130.0553, 0.2826,
0.3360

■ 0.0000, 0.0000,
0.0000

163.3670, 0.2847,

0.3355

201.9302, 0.2866,
0.3351

■ 18.9422, 0.2561,
0.3416

■ 18.9422, 0.2561,
0.3416

■ 18.4917, 0.2480,
0.3447

■ 19.4998, 0.2657,
0.3387

■ 18.1391, 0.2417,
0.3478

■ 20.1689, 0.2767,
0.3359

■ 17.8770, 0.2372,
0.3509


■ 20.9559, 0.2888,
0.3332


■ 17.6963, 0.2344,
0.3541


■ 21.8665, 0.3018,
0.3308

■ 17.5757, 0.2330,
0.3572


■ 22.9059, 0.3153,
0.3286

 17.5539, 0.2327,
0.3578

 24.0788, 0.3293,
0.3266

 25.3899, 0.3433,
0.3248

 26.8437, 0.3573,
0.3232

 28.4442, 0.3711,
0.3218

Harmonies

Analogous

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



18.9422, 0.2894, 0.3800



18.9422, 0.2561, 0.3416



18.9422, 0.2381, 0.3022

Triad

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



18.9422, 0.2561, 0.3416



18.9422, 0.2908, 0.2664



18.9422, 0.3921, 0.3788

Complementary

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



18.9422, 0.2561, 0.3416



9.4534, 0.4256, 0.3177

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.



18.9422, 0.3936, 0.3471



18.9422, 0.2561, 0.3416



18.9422, 0.3328, 0.2849

Square

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



18.9422, 0.2561, 0.3416



18.9422, 0.2571, 0.2620



18.9422, 0.3714, 0.3136



18.9422, 0.3684, 0.4002

Rectangle

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



18.9422, 0.2561, 0.3416



18.9422, 0.2363, 0.2817



18.9422, 0.3714, 0.3136



18.9422, 0.3953, 0.3689

Sweetspot

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



18.9429, 0.2561, 0.3416



38.1143, 0.2936, 0.3323



18.1185, 0.3122, 0.4711



8.8047, 0.2912, 0.3328



67.3860, 0.3127, 0.3290



9.4630, 0.3127, 0.3290

Same Dimension

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



18.9429, 0.2561, 0.3416



33.0250, 0.2472, 0.3450



13.1343, 0.2412, 0.2728



5.2714, 0.3004, 0.3311



17.2783, 0.2327, 0.3578



0.0604, 0.2284, 0.3423

Inverse Universe

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



9.4534, 0.4256, 0.3177



13.8416, 0.4692, 0.3159



13.1063, 0.4133, 0.3779



4.6954, 0.3265, 0.3270



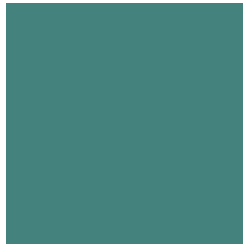
4.7773, 0.6249, 0.3216



0.0170, 0.5660, 0.2892

Previews

White Background



This preview shows how the Yxy color 18.9422, 0.2561, 0.3416 looks on a white background.

Color Contrast Check

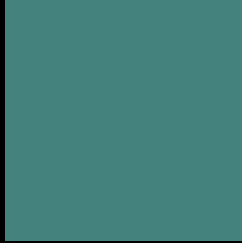
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.9422, 0.2561, 0.3416 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

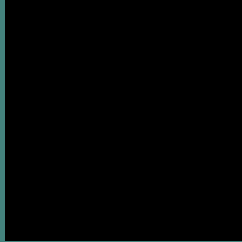
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.9422, 0.2561, 0.3416

Background



This preview shows how black text looks on a background with the Yxy color 18.9422, 0.2561, 0.3416.



This preview shows how white text looks on a background with the Yxy color 18.9422, 0.2561, 0.3416.

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

18.9422, 0.2561, 0.3416

Protanopia

18.6392, 0.3177, 0.3309

Deuteranopia

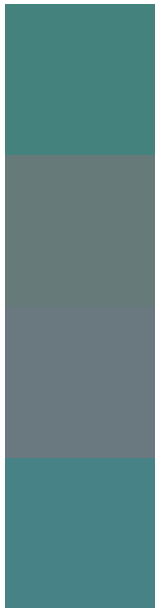
18.6385, 0.3137, 0.3071



Tritanopia

18.9423, 0.2472, 0.3085

Trichromacy



Original Color

18.9422, 0.2561, 0.3416

Protanomaly

18.3712, 0.2902, 0.3330

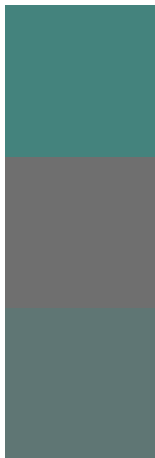
Deuteranomaly

18.2712, 0.2883, 0.3171

Tritanomaly

19.0261, 0.2508, 0.3206

Monochromacy



Original Color

18.9422, 0.2561, 0.3416

Achromatopsia

15.8961, 0.3127, 0.3290

Achromatomaly

16.6507, 0.2871, 0.3331

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.9422, 0.2561, 0.3416 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(68, 131, 125)` looks like.

```
.text, #text, p{  
    color:rgb(68, 131, 125)  
}
```

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(68, 131, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 131, 125) }
```

Border

The CSS property to change the border of an element to Yxy 18.9422, 0.2561, 0.3416 is called "border". The border property can be set on classes, ids or directly on the HTML element.

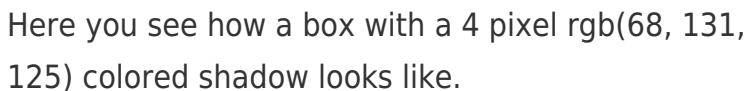
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(68, 131, 125) }
```

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

```
.border{ border-color:rgb(68, 131, 125) }
```

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



Here you see how a box with a 4 pixel `rgb(68, 131, 125)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(68, 131, 125); -webkit-box-shadow:4px 4px 4px 4px rgb(68, 131, 125); box-shadow:4px 4px 4px 4px rgb(68, 131, 125) }
```


Background

The CSS property to change the background color of an element to Yxy 18.9422, 0.2561, 0.3416 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 131, 125) }
```

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

```
.background{ background-color: rgb(68, 131,  
125) }
```

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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