

Converting Colors

$Y_{xy}(16.9273, 0.3825, 0.3190)$

Have a look what the booklet for
Yxy(16.9273, 0.3825, 0.3190)
contains.

Yxy(16.9273, 0.3825, 0.3190)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(16.9273, 0.3825, 0.3190)

Conversions

Conversions Part 1

Format	Color
Hex	99646A
RGB	153, 100, 106
RGB Percent	60%, 39%, 42%
CMY	0.4000, 0.6078, 0.5842
CMYK	0.00, 0.35, 0.31, 0.40
HSL	353°, 21%, 50%
HSV	353°, 35%, 60%
XYZ	20.2968, 16.9273, 15.8395
YIQ	116.5310, 29.6620, 13.1020

Conversions

Conversions Part 2

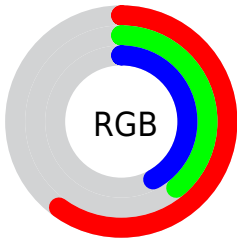
Format	Color
R_{YB}	153, 100, 106
Decimal	10052714
CIE _{Lab}	48.17, 22.27, 5.45
CIE _{LCh}	48, 22.929, 13.748
Yxy	16.9273, 0.3825, 0.3190
Android (android.graphics.Color)	4288242794 (0xFF99646A)
YUV	116.5310, -5.1918, 31.9833
Hunter-Lab	41.1428, 16.0589, 5.9740

Details

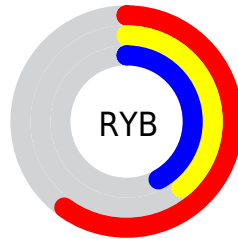
The Yxy color **16.9273, 0.3825, 0.3190** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **27.5985, 0.2696, 0.3396**, and the grayscale version is **17.6470, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.1228, 0.3665, 0.3216**, and **5.4811, 0.4140, 0.3120** is the 20% darker color. If you saturate the color by 10%, you get **14.0033, 0.4135, 0.3162**, and if you desaturate by 10%, it is **20.4488, 0.3569, 0.3220**.

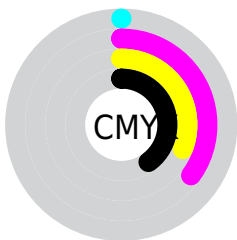
Distribution



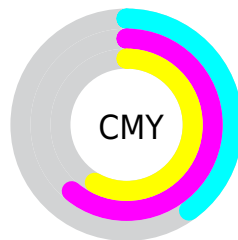
- Red (60%)
- Green (39%)
- Blue (42%)



- Red (60%)
- Yellow (39%)
- Blue (42%)



- Cyan (0%)
- Magenta (35%)
- Yellow (31%)
- Black (40%)




- Cyan (40%)
- Magenta (61%)
- Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.9273, 0.3825, 0.3190 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 16.9273, 0.3825, 0.3190 by changing the saturation by 10% instead.


 16.9273, 0.3825,
0.3190


 16.9273, 0.3825,
0.3190


234.7531, 0.3415,
0.3255


 10.1827, 0.3955,
0.3166


 38.2007, 0.3658,
0.3218


 5.5202, 0.4145,
0.3129

 53.4983, 0.3601,
0.3227

 2.5556, 0.4443,
0.3064

 72.4157, 0.3555,
0.3234

 0.9044, 0.5048,
0.2970

 95.3373, 0.3517,
0.3240

 0.0000, 1.0000,
0.0000

122.6474, 0.3485,
0.3245

 0.0000, 0.0000,
0.0000

154.7305, 0.3458,

0.3249

191.9709, 0.3435,
0.3252

■ 16.9273, 0.3825,
0.3190

■ 16.9273, 0.3825,
0.3190

■ 14.0033, 0.4135,
0.3162

■ 20.4488, 0.3569,
0.3220

■ 11.6413, 0.4503,
0.3139

■ 24.5957, 0.3362,
0.3250

■ 9.8058, 0.4918,
0.3127


■ 29.3973, 0.3194,
0.3278

■ 8.4564, 0.5356,
0.3130


■ 34.8803, 0.3058,
0.3304

■ 7.5467, 0.5769,
0.3153


■ 41.0698, 0.2948,
0.3328

 7.0192, 0.6099,
0.3195

 47.9897, 0.2858,
0.3349

 6.8142, 0.6240,
0.3211

 55.6627, 0.2785,
0.3369

 64.1106, 0.2724,
0.3387

 73.3544, 0.2674,
0.3403

Harmonies

Analogous

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



16.9273, 0.3431, 0.2869



16.9273, 0.3825, 0.3190



16.9273, 0.4018, 0.3551

Triad

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



16.9273, 0.3825, 0.3190



16.9273, 0.3229, 0.4056



16.9273, 0.2354, 0.2658

Complementary

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



16.9273, 0.3825, 0.3190



27.5985, 0.2696, 0.3396

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.



16.9273, 0.2311, 0.2927



16.9273, 0.3825, 0.3190



16.9273, 0.2795, 0.3772

Square

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



16.9273, 0.3825, 0.3190



16.9273, 0.3654, 0.4081



16.9273, 0.2466, 0.3337



16.9273, 0.2587, 0.2567

Rectangle

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



16.9273, 0.3825, 0.3190



16.9273, 0.4001, 0.3779



16.9273, 0.2466, 0.3337



16.9273, 0.2318, 0.2728

Sweetspot

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



16.9281, 0.3825, 0.3190



47.7200, 0.3283, 0.3262



17.6008, 0.3087, 0.2435



10.2974, 0.3305, 0.3259



76.7769, 0.3127, 0.3290



12.5967, 0.3127, 0.3290

Same Dimension

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



16.9281, 0.3825, 0.3190



25.9496, 0.4075, 0.3167



21.2022, 0.3802, 0.3632



6.2335, 0.3266, 0.3265



5.6344, 0.6228, 0.3204



0.0869, 0.5555, 0.2834

Inverse Universe

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



16.9281, 0.3825, 0.3190



25.9496, 0.4075, 0.3167



21.6983, 0.2602, 0.2918



6.2335, 0.3266, 0.3265



5.6344, 0.6228, 0.3204



0.0869, 0.5555, 0.2834

Previews

White Background



This preview shows how the Yxy color 16.9273, 0.3825, 0.3190 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 16.9273, 0.3825, 0.3190 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

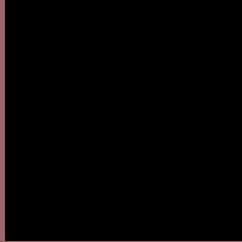
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.9273, 0.3825, 0.3190

Background



This preview shows how black text looks on a background with the Yxy color 16.9273, 0.3825, 0.3190.



This preview shows how white text looks on a background with the Yxy color 16.9273, 0.3825, 0.3190.

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

16.9273, 0.3825, 0.3190

Protanopia

17.0314, 0.3166, 0.3290

Deuteranopia

17.1142, 0.3479, 0.3424



Tritanopia

16.9482, 0.3810, 0.3174

Trichromacy



Original Color

16.9273, 0.3825, 0.3190

Protanomaly

16.8308, 0.3391, 0.3253

Deuteranomaly

16.9386, 0.3593, 0.3328

Tritanomaly

16.9482, 0.3810, 0.3174

Monochromacy



Original Color

16.9273, 0.3825, 0.3190

Achromatopsia

17.7888, 0.3127, 0.3290

Achromatomaly

17.3070, 0.3359, 0.3253

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.9273, 0.3825, 0.3190 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(153, 100, 106)` looks like.

```
.text, #text, p{  
    color:rgb(153, 100, 106)  
}
```

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(153, 100, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 100, 106) }
```

Border

The CSS property to change the border of an element to Yxy 16.9273, 0.3825, 0.3190 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(153, 100, 106) }
```

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

```
.border{ border-color:rgb(153, 100, 106) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 100, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 100, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 100, 106);  
box-shadow:4px 4px 4px 4px rgb(153, 100,  
106) }
```


Background

The CSS property to change the background color of an element to Yxy 16.9273, 0.3825, 0.3190 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 100, 106) }
```

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

```
.background{ background-color: rgb(153,  
100, 106) }
```

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