

Converting Colors

$Y_{xy}(18.6527, 0.3176, 0.4069)$

Have a look what the booklet for
Yxy(18.6527, 0.3176, 0.4069)
contains.

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Color

Yxy(18.7903, 0.3171, 0.4068)

Conversions

Conversions Part 1

Format	Color
Hex	62805B
RGB	98, 128, 91
RGB Percent	38%, 50%, 36%
CMY	0.6156, 0.4981, 0.6431
CMYK	0.23, 0.00, 0.29, 0.50
HSL	109°, 17%, 43%
HSV	109°, 29%, 50%
XYZ	14.6470, 18.7903, 12.7532
YIQ	114.8120, -6.0030, -17.8670

Conversions

Conversions Part 2

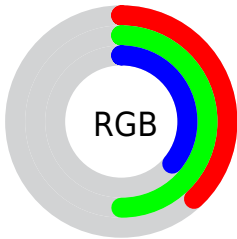
Format	Color
RYB	91, 128, 121
Decimal	6455387
CIELab	50.44, -18.32, 16.70
CIELCh	50, 24.787, 137.649
Yxy	18.7903, 0.3171, 0.4068
Android (android.graphics.Color)	4284645467 (0xFF62805B)
YUV	114.8120, -11.7393, -14.7441
Hunter-Lab	43.3478, -15.5443, 12.8999

Details

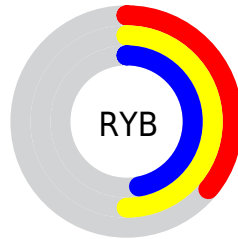
The Yxy color $18.7903, 0.3171, 0.4068$ is a dark color, and the websafe version is hex 669966 . A complement of this color would be $13.1041, 0.3058, 0.2582$, and the grayscale version is $17.1242, 0.3127, 0.3290$.

A 20% lighter version of the original color is $41.3604, 0.3167, 0.3884$, and $6.4595, 0.3155, 0.4445$ is the 20% darker color. If you saturate the color by 10%, you get $18.0486, 0.3179, 0.4383$, and if you desaturate by 10%, it is $19.6460, 0.3158, 0.3774$.

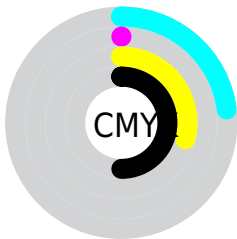
Distribution



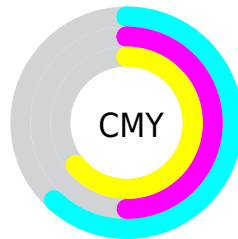
- Red (38%)
- Green (50%)
- Blue (36%)



- Red (36%)
- Yellow (50%)
- Blue (47%)



- Cyan (23%)
- Magenta (0%)
- Yellow (29%)
- Black (50%)




- Cyan (62%)
- Magenta (50%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.7903, 0.3171, 0.4068 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 18.7903, 0.3171, 0.4068 by changing the saturation by 10% instead.


 18.7903, 0.3171,
0.4068


 18.7903, 0.3171,
0.4068


245.2886, 0.3155,
0.3605


 11.5189, 0.3170,
0.4218


 41.3795, 0.3168,
0.3877

 6.4170, 0.3164,
0.4440


 57.4660, 0.3165,
0.3813

 3.1002, 0.3141,
0.4793

 77.2596, 0.3163,
0.3761

 1.1843, 0.3381,
0.6146

 101.1448, 0.3161,
0.3718

 0.0488, 0.0000,
1.0000

129.5058, 0.3159,
0.3683

 0.0000, 0.0000,
0.0000

162.7273, 0.3158,

0.3653

201.1934, 0.3156,
0.3627

■ 18.7903, 0.3171,
0.4068

■ 18.7903, 0.3171,
0.4068

■ 18.0486, 0.3179,
0.4383

■ 19.6460, 0.3158,
0.3774

■ 17.4137, 0.3182,
0.4708

■ 20.6179, 0.3143,
0.3506

■ 16.8814, 0.3177,
0.5030

■ 21.7108, 0.3125,
0.3265

■ 16.4461, 0.3163,
0.5330

■ 22.9289, 0.3107,
0.3051

■ 16.1017, 0.3141,
0.5587

■ 24.2760, 0.3089,
0.2863

■ 15.8414, 0.3110,
0.5783

■ 25.7556, 0.3071,
0.2698

■ 15.6529, 0.3080,
0.5924

■ 27.3714, 0.3054,
0.2554

■ 15.6353, 0.3078,
0.5938

■ 29.1267, 0.3038,
0.2428

■ 31.0247, 0.3022,
0.2318

Harmonies

Analogous

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



18.7903, 0.3623, 0.4128



18.7903, 0.3171, 0.4068



18.7903, 0.2727, 0.3740

Triad

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



18.7903, 0.3171, 0.4068



18.7903, 0.2344, 0.2608



18.7903, 0.3897, 0.3232

Complementary

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



18.7903, 0.3171, 0.4068



13.1041, 0.3058, 0.2582

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.



18.7903, 0.3505, 0.2890



18.7903, 0.3171, 0.4068



18.7903, 0.2609, 0.2539

Square

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



18.7903, 0.3171, 0.4068



18.7903, 0.2272, 0.2863



18.7903, 0.3026, 0.2644



18.7903, 0.4064, 0.3607

Rectangle

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



18.7903, 0.3171, 0.4068



18.7903, 0.2494, 0.3434



18.7903, 0.3026, 0.2644



18.7903, 0.3785, 0.3111

Sweetspot

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



18.7911, 0.3171, 0.4068



36.2478, 0.3143, 0.3513



18.9215, 0.3578, 0.3852



8.4338, 0.3145, 0.3546



65.5931, 0.3127, 0.3290



8.8982, 0.3127, 0.3290

Same Dimension

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



18.7911, 0.3171, 0.4068



32.1635, 0.3177, 0.4284



18.6230, 0.2977, 0.3841



4.8550, 0.3143, 0.3511



15.5051, 0.3078, 0.5938



0.0000, 0.0000, 0.0000

Inverse Universe

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



13.1041, 0.3058, 0.2582



20.3558, 0.3035, 0.2408



13.3538, 0.3319, 0.2797



4.3724, 0.3109, 0.3075



4.4457, 0.2747, 0.1287



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 18.7903, 0.3171, 0.4068 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 18.7903, 0.3171, 0.4068 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

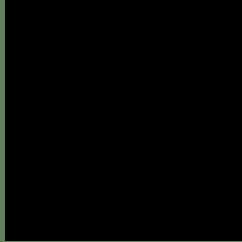
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.7903, 0.3171, 0.4068

Background



This preview shows how black text looks on a background with the Yxy color 18.7903, 0.3171, 0.4068.



This preview shows how white text looks on a background with the Yxy color 18.7903, 0.3171, 0.4068.

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

18.7903, 0.3171, 0.4068

Protanopia

18.7882, 0.3644, 0.3914

Deuteranopia

18.6451, 0.3734, 0.3670



Tritanopia

18.8351, 0.2823, 0.3115

Trichromacy



Original Color

18.7903, 0.3171, 0.4068

Protanomaly

18.7221, 0.3470, 0.3981

Deuteranomaly

18.5832, 0.3516, 0.3810

Tritanomaly

18.7764, 0.2945, 0.3451

Monochromacy



Original Color

18.7903, 0.3171, 0.4068

Achromatopsia

17.1441, 0.3127, 0.3290

Achromatomaly

17.7248, 0.3151, 0.3575

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.7903, 0.3171, 0.4068 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(98, 128, 91)` looks like.

```
.text, #text, p{  
    color:rgb(98, 128, 91)  
}
```

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(98, 128, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 128, 91) }
```

Border

The CSS property to change the border of an element to Yxy 18.7903, 0.3171, 0.4068 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(98, 128, 91) }
```

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

```
.border{ border-color:rgb(98, 128, 91) }
```

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

Here you see how a box with a 4 pixel `rgb(98, 128, 91)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 128, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 128, 91);  
box-shadow:4px 4px 4px 4px rgb(98, 128,  
91) }
```


Background

The CSS property to change the background color of an element to Yxy 18.7903, 0.3171, 0.4068 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 128, 91) }
```

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

```
.background{ background-color: rgb(98, 128,  
91) }
```

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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