

Converting Colors

$Yxy(18.9632, 0.2649, 0.3695)$

Have a look what the booklet for
Yxy(18.9632, 0.2649, 0.3695)
contains.

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Color

Yxy(18.9107, 0.2648, 0.3682)

Conversions

Conversions Part 1

Format	Color
Hex	438472
RGB	67, 132, 114
RGB Percent	26%, 52%, 45%
CMY	0.7374, 0.4823, 0.5530
CMYK	0.49, 0.00, 0.14, 0.48
HSL	163°, 33%, 39%
HSV	163°, 49%, 52%
XYZ	13.6001, 18.9107, 18.8491
YIQ	110.5130, -32.9620, -19.3780

Conversions

Conversions Part 2

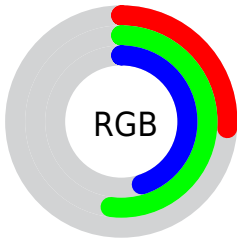
Format	Color
R_{YB}	67, 105, 132
Decimal	4424818
CIE _{Lab}	50.58, -25.47, 3.33
CIE _{LCh}	51, 25.691, 172.548
Yxy	18.9107, 0.2648, 0.3682
Android (android.graphics.Color)	4282614898 (0xFF438472)
YUV	110.5130, 1.7191, -38.1609
Hunter-Lab	43.4864, -20.2766, 4.7414

Details

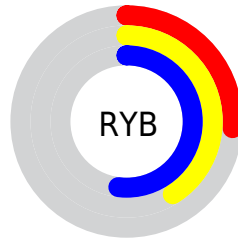
The Yxy color **18.9107, 0.2648, 0.3682** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **9.5703, 0.4053, 0.2947**, and the grayscale version is **15.7470, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.3730, 0.2754, 0.3579**, and **6.4796, 0.2445, 0.3864** is the 20% darker color. If you saturate the color by 10%, you get **18.4156, 0.2583, 0.3778**, and if you desaturate by 10%, it is **19.5169, 0.2727, 0.3591**.

Distribution



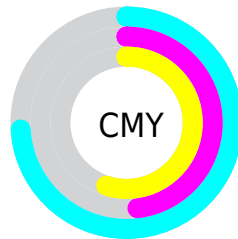
- Red (26%)
- Green (52%)
- Blue (45%)



- Red (26%)
- Yellow (41%)
- Blue (52%)



- Cyan (49%)
- Magenta (0%)
- Yellow (14%)
- Black (48%)





- Cyan (74%)
- Magenta (48%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 18.9107, 0.2648, 0.3682 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 18.9107, 0.2648, 0.3682 by changing the saturation by 10% instead.


 18.9107, 0.2648,
0.3682


 18.9107, 0.2648,
0.3682


245.9553, 0.2924,
0.3453


 11.6058, 0.2563,
0.3754


 41.5831, 0.2759,
0.3589

 6.4758, 0.2441,
0.3859


 57.7195, 0.2798,
0.3557


 3.1365, 0.2254,
0.4023

 77.5683, 0.2829,
0.3532

 1.2034, 0.1794,
0.4392

 101.5142, 0.2854,
0.3510

 0.0645, 0.0000,
1.0000

 129.9415, 0.2876,
0.3493

 0.0000, 0.0000,
0.0000

163.2345, 0.2895,

0.3478

201.7776, 0.2910,
0.3465

■ 18.9107, 0.2648,
0.3682

■ 18.9107, 0.2648,
0.3682

■ 18.4156, 0.2583,
0.3778

■ 19.5169, 0.2727,
0.3591

■ 18.0221, 0.2535,
0.3877

■ 20.2388, 0.2818,
0.3505

■ 17.7227, 0.2505,
0.3978


■ 21.0831, 0.2918,
0.3425

■ 17.5076, 0.2494,
0.4079

■ 22.0556, 0.3025,
0.3352

■ 17.3504, 0.2496,
0.4180

■ 23.1616, 0.3135,
0.3285

 17.3395, 0.2496,
0.4187

 24.4062, 0.3248,
0.3226

 25.7941, 0.3361,
0.3172

 27.3299, 0.3472,
0.3125

 29.0178, 0.3581,
0.3083

Harmonies

Analogous

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



18.9107, 0.3092, 0.4059



18.9107, 0.2648, 0.3682



18.9107, 0.2346, 0.3197

Triad

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



18.9107, 0.2648, 0.3682



18.9107, 0.2653, 0.2522



18.9107, 0.4097, 0.3677

Complementary

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



18.9107, 0.2648, 0.3682



9.5703, 0.4053, 0.2947

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.



18.9107, 0.3970, 0.3292



18.9107, 0.2648, 0.3682



18.9107, 0.3102, 0.2656

Square

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



18.9107, 0.2648, 0.3682



18.9107, 0.2351, 0.2561



18.9107, 0.3594, 0.2930



18.9107, 0.3941, 0.4005

Rectangle

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



18.9107, 0.2648, 0.3682



18.9107, 0.2254, 0.2910



18.9107, 0.3594, 0.2930



18.9107, 0.4087, 0.3550

Sweetspot

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



18.9115, 0.2648, 0.3682



37.7805, 0.2959, 0.3395



18.8593, 0.3248, 0.4696



8.7260, 0.2940, 0.3409



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.



18.9115, 0.2648, 0.3682



32.3540, 0.2578, 0.3788



15.7944, 0.2445, 0.2983



5.2575, 0.3026, 0.3351



16.7872, 0.2496, 0.4186



0.0594, 0.2367, 0.3722

Inverse Universe

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



9.5703, 0.4053, 0.2947



13.9088, 0.4391, 0.2887



11.2029, 0.4287, 0.3564



4.7084, 0.3239, 0.3230



4.8773, 0.5770, 0.2952



0.0180, 0.4730, 0.2379

Previews

White Background



This preview shows how the Yxy color 18.9107, 0.2648, 0.3682 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 18.9107, 0.2648, 0.3682 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 18.9107, 0.2648, 0.3682

Background



This preview shows how black text looks on a background with the Yxy color 18.9107, 0.2648, 0.3682.

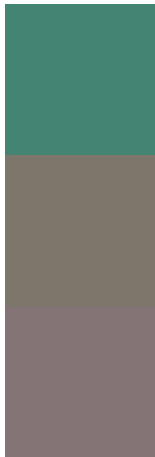


This preview shows how white text looks on a background with the Yxy color 18.9107, 0.2648, 0.3682.

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

18.9107, 0.2648, 0.3682

Protanopia

18.6152, 0.3348, 0.3519

Deuteranopia

18.6807, 0.3323, 0.3272



Tritanopia

18.7583, 0.2484, 0.3065

Trichromacy



Original Color

18.9107, 0.2648, 0.3682

Protanomaly

18.4841, 0.3042, 0.3575

Deuteranomaly

18.3682, 0.3025, 0.3409

Tritanomaly

18.6518, 0.2536, 0.3267

Monochromacy



Original Color

18.9107, 0.2648, 0.3682

Achromatopsia

15.8961, 0.3127, 0.3290

Achromatomaly

16.7964, 0.2915, 0.3438

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.9107, 0.2648, 0.3682 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(67, 132, 114)` looks like.

```
.text, #text, p{  
    color:rgb(67, 132, 114)  
}
```

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(67, 132, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(67, 132, 114) }
```

Border

The CSS property to change the border of an element to Yxy 18.9107, 0.2648, 0.3682 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(67, 132, 114) }
```

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

```
.border{ border-color:rgb(67, 132, 114) }
```

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

Here you see how a box with a 4 pixel rgb(67, 132, 114) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(67, 132, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(67, 132, 114);  
box-shadow:4px 4px 4px 4px rgb(67, 132,  
114) }
```


Background

The CSS property to change the background color of an element to Yxy 18.9107, 0.2648, 0.3682 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(67, 132, 114) }
```

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

```
.background{ background-color: rgb(67, 132,  
114) }
```

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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