

Converting Colors

$Yxy(18.2928, 0.2651, 0.3687)$

Have a look what the booklet for
Yxy(18.2928, 0.2651, 0.3687)
contains.

Yxy(18.2934, 0.2651, 0.3687)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(18.2934, 0.2651, 0.3687)

Conversions

Conversions Part 1

Format	Color
Hex	428270
RGB	66, 130, 112
RGB Percent	26%, 51%, 44%
CMY	0.7413, 0.4902, 0.5607
CMYK	0.49, 0.00, 0.14, 0.49
HSL	163°, 33%, 38%
HSV	163°, 49%, 51%
XYZ	13.1532, 18.2934, 18.1694
YIQ	108.8120, -32.3660, -19.1660

Conversions

Conversions Part 2

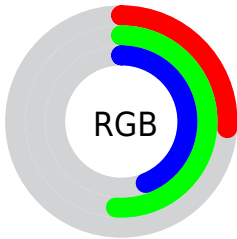
Format	Color
R_{YB}	66, 103, 130
Decimal	4358768
CIE _{Lab}	49.85, -25.21, 3.43
CIE _{LCh}	50, 25.445, 172.263
Y _{xy}	18.2934, 0.2651, 0.3687
Android (android.graphics.Color)	4282548848 (0xFF428270)
Y _{UV}	108.8120, 1.5717, -37.5461
Hunter-Lab	42.7708, -19.9552, 4.7527

Details

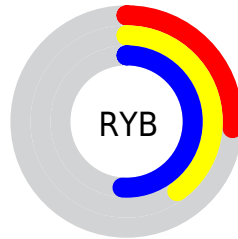
The Yxy color **18.2934, 0.2651, 0.3687** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **9.2797, 0.4044, 0.2943**, and the grayscale version is **15.2382, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.3989, 0.2758, 0.3582**, and **6.1527, 0.2446, 0.3877** is the 20% darker color. If you saturate the color by 10%, you get **17.8132, 0.2587, 0.3784**, and if you desaturate by 10%, it is **18.8811, 0.2730, 0.3594**.

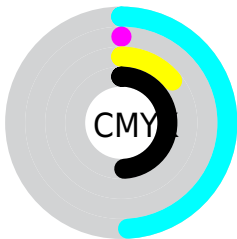
Distribution



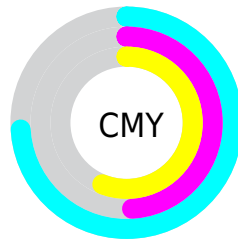
- Red (26%)
- Green (51%)
- Blue (44%)



- Red (26%)
- Yellow (40%)
- Blue (51%)



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





- Cyan (74%)
- Magenta (49%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.2934, 0.2651, 0.3687 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 18.2934, 0.2651, 0.3687 by changing the saturation by 10% instead.


 18.2934, 0.2651,
0.3687


 18.2934, 0.2651,
0.3687


242.5196, 0.2927,
0.3454


 11.1608, 0.2565,
0.3761


 40.5366, 0.2763,
0.3592


 6.1751, 0.2442,
0.3869

 56.4161, 0.2801,
0.3560


 2.9519, 0.2251,
0.4041

 75.9800, 0.2832,
0.3533

 1.1067, 0.1701,
0.4471

 99.6127, 0.2857,
0.3512

 0.0000, 0.0000,
0.0000

 127.6986, 0.2879,
0.3494

160.6222, 0.2897,

0.3479

198.7677, 0.2913,
0.3466

■ 18.2934, 0.2651,
0.3687

■ 18.2934, 0.2651,
0.3687

■ 17.8132, 0.2587,
0.3784

■ 18.8811, 0.2730,
0.3594

■ 17.4310, 0.2539,
0.3885

■ 19.5804, 0.2820,
0.3507

■ 17.1398, 0.2509,
0.3987


■ 20.3979, 0.2920,
0.3427


■ 16.9302, 0.2498,
0.4090

■ 21.3393, 0.3026,
0.3352


■ 16.7764, 0.2500,
0.4192


■ 22.4095, 0.3135,
0.3285

 16.7652, 0.2500,
0.4200

 23.6135, 0.3247,
0.3225

 24.9558, 0.3359,
0.3171

 26.4409, 0.3470,
0.3123

 28.0728, 0.3578,
0.3081

Harmonies

Analogous

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



18.2934, 0.3097, 0.4062



18.2934, 0.2651, 0.3687



18.2934, 0.2347, 0.3202

Triad

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



18.2934, 0.2651, 0.3687



18.2934, 0.2648, 0.2521



18.2934, 0.4099, 0.3674

Complementary

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



18.2934, 0.2651, 0.3687



9.2797, 0.4044, 0.2943

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.



18.2934, 0.3969, 0.3288



18.2934, 0.2651, 0.3687



18.2934, 0.3098, 0.2654

Square

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



18.2934, 0.2651, 0.3687



18.2934, 0.2348, 0.2562



18.2934, 0.3590, 0.2926



18.2934, 0.3945, 0.4003

Rectangle

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



18.2934, 0.2651, 0.3687



18.2934, 0.2254, 0.2913



18.2934, 0.3590, 0.2926



18.2934, 0.4088, 0.3547

Sweetspot

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



18.2941, 0.2651, 0.3687



36.5411, 0.2960, 0.3397



18.2500, 0.3248, 0.4693



8.2069, 0.2942, 0.3410



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.



18.2941, 0.2651, 0.3687



31.2865, 0.2581, 0.3795



15.2906, 0.2447, 0.2984



4.8669, 0.3027, 0.3351



16.0751, 0.2499, 0.4198



0.0000, 0.0000, 0.0000

Inverse Universe

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



9.2797, 0.4044, 0.2943



13.4758, 0.4381, 0.2881



10.8547, 0.4283, 0.3564



4.3626, 0.3238, 0.3230



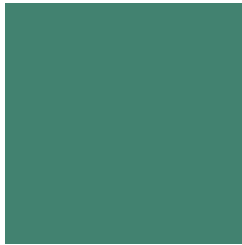
4.6769, 0.5752, 0.2942



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 18.2934, 0.2651, 0.3687 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 18.2934, 0.2651, 0.3687 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

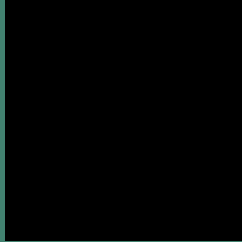
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.2934, 0.2651, 0.3687

Background



This preview shows how black text looks on a background with the Yxy color 18.2934, 0.2651, 0.3687.

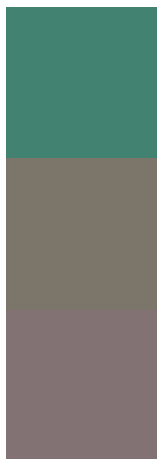


This preview shows how white text looks on a background with the Yxy color 18.2934, 0.2651, 0.3687.

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

18.2934, 0.2651, 0.3687

Protanopia

18.1877, 0.3349, 0.3542

Deuteranopia

18.0183, 0.3326, 0.3272



Tritanopia

18.4014, 0.2488, 0.3083

Trichromacy



Original Color

18.2934, 0.2651, 0.3687

Protanomaly

17.8266, 0.3041, 0.3579

Deuteranomaly

17.7736, 0.3035, 0.3411

Tritanomaly

18.2989, 0.2541, 0.3288

Monochromacy



Original Color

18.2934, 0.2651, 0.3687

Achromatopsia

15.2926, 0.3127, 0.3290

Achromatomaly

16.1755, 0.2912, 0.3440

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.2934, 0.2651, 0.3687 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(66, 130, 112)` looks like.

```
.text, #text, p{  
  color:rgb(66, 130, 112)  
}
```

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(66, 130, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 130, 112) }
```

Border

The CSS property to change the border of an element to Yxy 18.2934, 0.2651, 0.3687 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(66, 130, 112) }
```

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

```
.border{ border-color:rgb(66, 130, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 130, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 130, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 130, 112);  
box-shadow:4px 4px 4px 4px rgb(66, 130,  
112) }
```


Background

The CSS property to change the background color of an element to Yxy 18.2934, 0.2651, 0.3687 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 130, 112) }
```

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

```
.background{ background-color: rgb(66, 130,  
112) }
```

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