

Converting Colors

$Y_{xy}(15.7482, 0.2902, 0.3681)$

Have a look what the booklet for
Yxy(15.7482, 0.2902, 0.3681)
contains.

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Color

Yxy(15.7355, 0.2894, 0.3674)

Conversions

Conversions Part 1

Format	Color
Hex	537665
RGB	83, 118, 101
RGB Percent	33%, 46%, 40%
CMY	0.6745, 0.5372, 0.6039
CMYK	0.30, 0.00, 0.14, 0.54
HSL	151°, 17%, 39%
HSV	151°, 30%, 46%
XYZ	12.3948, 15.7355, 14.6990
YIQ	105.5970, -15.4030, -12.7070

Conversions

Conversions Part 2

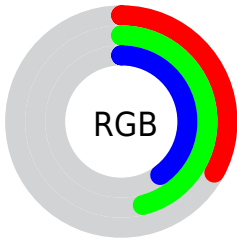
Format	Color
R_{YB}	83, 106, 118
Decimal	5469797
CIE _{Lab}	46.63, -16.38, 5.38
CIE _{LCh}	47, 17.243, 161.831
Yxy	15.7355, 0.2894, 0.3674
Android (android.graphics.Color)	4283659877 (0xFF537665)
YUV	105.5970, -2.2663, -19.8176
Hunter-Lab	39.6680, -13.6442, 5.7976

Details

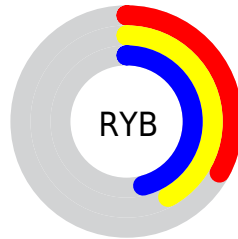
The Yxy color **15.7355, 0.2894, 0.3674** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **10.9574, 0.3448, 0.2937**, and the grayscale version is **14.3069, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.0030, 0.2948, 0.3571**, and **4.8977, 0.2780, 0.3866** is the 20% darker color. If you saturate the color by 10%, you get **15.1359, 0.2825, 0.3829**, and if you desaturate by 10%, it is **16.4356, 0.2969, 0.3532**.

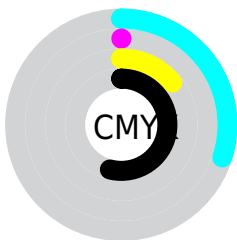
Distribution



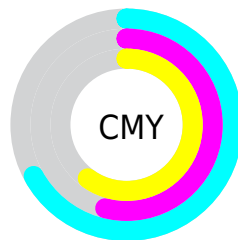
- Red (33%)
- Green (46%)
- Blue (40%)



- Red (33%)
- Yellow (42%)
- Blue (46%)



- Cyan (30%)
- Magenta (0%)
- Yellow (14%)
- Black (54%)



- Cyan (67%)
- Magenta (54%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 15.7355, 0.2894, 0.3674 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 15.7355, 0.2894, 0.3674 by changing the saturation by 10% instead.

15.7355, 0.2894,
0.3674

15.7355, 0.2894,
0.3674

227.7759, 0.3034,
0.3443

9.3372, 0.2848,
0.3752

36.1384, 0.2952,
0.3577

4.9618, 0.2778,
0.3868

50.9118, 0.2972,
0.3545

2.2248, 0.2663,
0.4063

69.2456, 0.2987,
0.3520

0.7335, 0.2045,
0.5047

91.5244, 0.3000,
0.3499

0.0000, 0.0000,
0.0000

118.1324, 0.3010,
0.3481

149.4540, 0.3019,

0.3466

185.8737, 0.3027,
0.3454

■ 15.7355, 0.2894,
0.3674

■ 15.7355, 0.2894,
0.3674

■ 15.1359, 0.2825,
0.3829

■ 16.4356, 0.2969,
0.3532

■ 14.6301, 0.2766,
0.3994

■ 17.2386, 0.3049,
0.3403

■ 14.2136, 0.2720,
0.4169

■ 18.1495, 0.3130,
0.3286

■ 13.8805, 0.2688,
0.4349

■ 19.1721, 0.3212,
0.3182

■ 13.6245, 0.2673,
0.4532

■ 20.3103, 0.3292,
0.3090

■ 13.4382, 0.2677,
0.4712

■ 21.5675, 0.3371,
0.3009

■ 13.2962, 0.2692,
0.4887

■ 22.9472, 0.3447,
0.2937

■ 13.2916, 0.2693,
0.4893

■ 24.4526, 0.3521,
0.2874

■ 26.0869, 0.3590,
0.2819

Harmonies

Analogous

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



15.7355, 0.3235, 0.3878



15.7355, 0.2894, 0.3674



15.7355, 0.2626, 0.3353

Triad

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



15.7355, 0.2894, 0.3674



15.7355, 0.2692, 0.2724



15.7355, 0.3808, 0.3485

Complementary

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



15.7355, 0.2894, 0.3674



10.9574, 0.3448, 0.2937

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.



15.7355, 0.3648, 0.3200



15.7355, 0.2894, 0.3674



15.7355, 0.2990, 0.2776

Square

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



15.7355, 0.2894, 0.3674



15.7355, 0.2515, 0.2810



15.7355, 0.3342, 0.2946



15.7355, 0.3773, 0.3741

Rectangle

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



15.7355, 0.2894, 0.3674



15.7355, 0.2519, 0.3133



15.7355, 0.3342, 0.2946



15.7355, 0.3776, 0.3390

Sweetspot

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



15.7362, 0.2894, 0.3674



30.3765, 0.3052, 0.3397



16.3199, 0.3313, 0.4050



6.9434, 0.3043, 0.3412



60.3827, 0.3127, 0.3290



7.3239, 0.3127, 0.3290

Same Dimension

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



15.7362, 0.2894, 0.3674



26.8880, 0.2844, 0.3785



16.1044, 0.2719, 0.3289



4.1267, 0.3054, 0.3395



14.3764, 0.2694, 0.4899



69.8840, 0.2719, 0.4988

Inverse Universe

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



10.9574, 0.3448, 0.2937



16.9645, 0.3554, 0.2847



10.6620, 0.3744, 0.3292



3.7277, 0.3207, 0.3187



4.4868, 0.4946, 0.2498



21.6929, 0.5062, 0.2562

Previews

White Background



This preview shows how the Yxy color 15.7355, 0.2894, 0.3674 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 15.7355, 0.2894, 0.3674 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

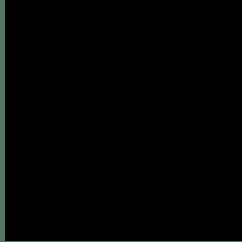
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.7355, 0.2894, 0.3674

Background



This preview shows how black text looks on a background with the Yxy color 15.7355, 0.2894, 0.3674.



This preview shows how white text looks on a background with the Yxy color 15.7355, 0.2894, 0.3674.

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

15.7355, 0.2894, 0.3674

Protanopia

15.6598, 0.3363, 0.3558

Deuteranopia

15.4983, 0.3409, 0.3350



Tritanopia

15.7914, 0.2706, 0.3098

Trichromacy



Original Color

15.7355, 0.2894, 0.3674

Protanomaly

15.5757, 0.3178, 0.3612

Deuteranomaly

15.2993, 0.3201, 0.3459

Tritanomaly

15.7302, 0.2767, 0.3289

Monochromacy



Original Color

15.7355, 0.2894, 0.3674

Achromatopsia

14.4128, 0.3127, 0.3290

Achromatomaly

14.7480, 0.3041, 0.3421

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.7355, 0.2894, 0.3674 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(83, 118, 101)` looks like.

```
.text, #text, p{  
  color:rgb(83, 118, 101)  
}
```

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(83, 118, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 118, 101) }
```

Border

The CSS property to change the border of an element to Yxy 15.7355, 0.2894, 0.3674 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(83, 118, 101) }
```

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

```
.border{ border-color:rgb(83, 118, 101) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 118, 101)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 118, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 118, 101);  
box-shadow:4px 4px 4px 4px rgb(83, 118,  
101) }
```


Background

The CSS property to change the background color of an element to Yxy 15.7355, 0.2894, 0.3674 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 118, 101) }
```

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

```
.background{ background-color: rgb(83, 118,  
101) }
```

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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