

Converting Colors

$Y_{xy}(15.6799, 0.2976, 0.3741)$

Have a look what the booklet for
Yxy(15.6799, 0.2976, 0.3741)
contains.

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Color

Yxy(15.6119, 0.2983, 0.3741)

Conversions

Conversions Part 1

Format	Color
Hex	577561
RGB	87, 117, 97
RGB Percent	34%, 46%, 38%
CMY	0.6589, 0.5412, 0.6195
CMYK	0.26, 0.00, 0.17, 0.54
HSL	140°, 15%, 40%
HSV	140°, 26%, 46%
XYZ	12.4486, 15.6119, 13.6714
YIQ	105.7500, -11.4600, -12.5800

Conversions

Conversions Part 2

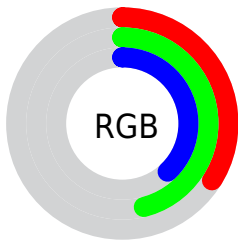
Format	Color
RYB	87, 110, 117
Decimal	5731681
CIELab	46.46, -15.31, 7.54
CIElCh	46, 17.066, 153.771
Yxy	15.6119, 0.2983, 0.3741
Android (android.graphics.Color)	4283921761 (0xFF577561)
YUV	105.7500, -4.3137, -16.4438
Hunter-Lab	39.5119, -12.9076, 7.1436

Details

The Yxy color **15.6119, 0.2983, 0.3741** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **11.6560, 0.3308, 0.2878**, and the grayscale version is **14.3550, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.8324, 0.3014, 0.3618**, and **4.9464, 0.2894, 0.3975** is the 20% darker color. If you saturate the color by 10%, you get **14.9562, 0.2931, 0.3950**, and if you desaturate by 10%, it is **16.3745, 0.3038, 0.3550**.

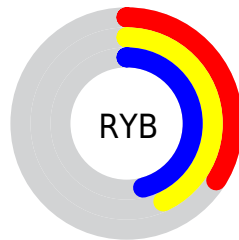
Distribution



Red (34%)

Green (46%)

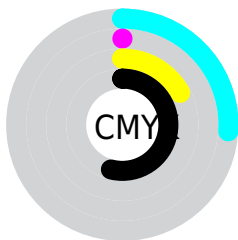
Blue (38%)



Red (34%)

Yellow (43%)

Blue (46%)

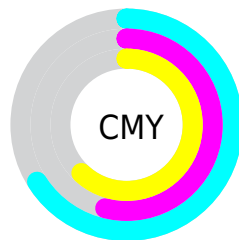


Cyan (26%)

Magenta (0%)

Yellow (17%)

Black (54%)



Cyan (66%)


Magenta (54%)


Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.6119, 0.2983, 0.3741 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 15.6119, 0.2983, 0.3741 by changing the saturation by 10% instead.


 15.6119, 0.2983,
0.3741


 15.6119, 0.2983,
0.3741


227.0406, 0.3071,
0.3468


 9.2499, 0.2952,
0.3833


 35.9231, 0.3020,
0.3627


 4.9046, 0.2906,
0.3973

 50.6412, 0.3033,
0.3589

 2.1914, 0.2825,
0.4208

 68.9134, 0.3042,
0.3558

 0.7153, 0.2405,
0.5619

 91.1241, 0.3050,
0.3534

 0.0000, 0.0000,
0.0000

 117.6579, 0.3057,
0.3513

148.8989, 0.3063,

0.3496

185.2317, 0.3067,
0.3481

■ 15.6119, 0.2983,
0.3741

■ 15.6119, 0.2983,
0.3741

■ 14.9562, 0.2931,
0.3950

■ 16.3745, 0.3038,
0.3550

■ 14.4006, 0.2886,
0.4177

■ 17.2465, 0.3095,
0.3379

■ 13.9405, 0.2849,
0.4415

■ 18.2327, 0.3152,
0.3226

■ 13.5704, 0.2825,
0.4661

■ 19.3372, 0.3208,
0.3091

■ 13.2839, 0.2814,
0.4905

■ 20.5638, 0.3262,
0.2972

■ 13.0739, 0.2819,
0.5139

■ 21.9161, 0.3313,
0.2868

■ 12.9275, 0.2837,
0.5352

■ 23.3976, 0.3362,
0.2777

■ 12.8713, 0.2844,
0.5440

■ 25.0116, 0.3409,
0.2697

■ 26.7614, 0.3452,
0.2628

Harmonies

Analogous

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



15.6119, 0.3326, 0.3897



15.6119, 0.2983, 0.3741



15.6119, 0.2690, 0.3443

Triad

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



15.6119, 0.2983, 0.3741



15.6119, 0.2634, 0.2737



15.6119, 0.3778, 0.3408

Complementary

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



15.6119, 0.2983, 0.3741



11.6560, 0.3308, 0.2878

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.



15.6119, 0.3573, 0.3127



15.6119, 0.2983, 0.3741



15.6119, 0.2903, 0.2753

Square

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



15.6119, 0.2983, 0.3741



15.6119, 0.2497, 0.2861



15.6119, 0.3247, 0.2894



15.6119, 0.3796, 0.3676

Rectangle

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



15.6119, 0.2983, 0.3741



15.6119, 0.2558, 0.3220



15.6119, 0.3247, 0.2894



15.6119, 0.3729, 0.3312

Sweetspot

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



15.6126, 0.2983, 0.3741



30.4640, 0.3080, 0.3421



16.5373, 0.3356, 0.3924



6.9580, 0.3073, 0.3442



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.



15.6126, 0.2983, 0.3741



27.2115, 0.2951, 0.3867



15.9190, 0.2821, 0.3399



4.1166, 0.3076, 0.3434



14.1771, 0.2847, 0.5448



68.9426, 0.2873, 0.5542

Inverse Universe

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



11.6560, 0.3308, 0.2878



18.8021, 0.3363, 0.2776



11.3676, 0.3551, 0.3185



3.7381, 0.3183, 0.3150



4.7679, 0.4233, 0.2106



23.0706, 0.4302, 0.2144

Previews

White Background



This preview shows how the Yxy color 15.6119, 0.2983, 0.3741 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 15.6119, 0.2983, 0.3741 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

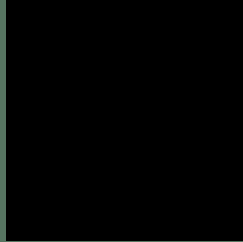
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.6119, 0.2983, 0.3741

Background



This preview shows how black text looks on a background with the Yxy color 15.6119, 0.2983, 0.3741.



This preview shows how white text looks on a background with the Yxy color 15.6119, 0.2983, 0.3741.

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

15.6119, 0.2983, 0.3741

Protanopia

15.3724, 0.3420, 0.3622

Deuteranopia

15.4940, 0.3479, 0.3429



Tritanopia

15.5156, 0.2756, 0.3078

Trichromacy



Original Color

15.6119, 0.2983, 0.3741

Protanomaly

15.3998, 0.3257, 0.3677

Deuteranomaly

15.4132, 0.3294, 0.3541

Tritanomaly

15.4232, 0.2830, 0.3289

Monochromacy



Original Color

15.6119, 0.2983, 0.3741

Achromatopsia

14.4128, 0.3127, 0.3290

Achromatomaly

14.7838, 0.3067, 0.3443

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.6119, 0.2983, 0.3741 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(87, 117, 97)` looks like.

```
.text, #text, p{  
    color:rgb(87, 117, 97)  
}
```

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(87, 117, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 117, 97) }
```

Border

The CSS property to change the border of an element to Yxy 15.6119, 0.2983, 0.3741 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(87, 117, 97) }
```

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

```
.border{ border-color:rgb(87, 117, 97) }
```

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

Here you see how a box with a 4 pixel rgb(87, 117, 97) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 117, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 117, 97);  
box-shadow:4px 4px 4px 4px rgb(87, 117,  
97) }
```


Background

The CSS property to change the background color of an element to Yxy 15.6119, 0.2983, 0.3741 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 117, 97) }
```

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

```
.background{ background-color: rgb(87, 117,  
97) }
```

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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