

Converting Colors

$Y_{xy}(15.8016, 0.2965, 0.3748)$

Have a look what the booklet for
Yxy(15.8016, 0.2965, 0.3748)
contains.

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Color

Yxy(15.8171, 0.2961, 0.3740)

Conversions

Conversions Part 1

Format	Color
Hex	567662
RGB	86, 118, 98
RGB Percent	34%, 46%, 38%
CMY	0.6627, 0.5373, 0.6156
CMYK	0.27, 0.00, 0.17, 0.54
HSL	143°, 16%, 40%
HSV	143°, 27%, 46%
XYZ	12.5226, 15.8171, 13.9520
YIQ	106.1520, -12.6520, -13.0040

Conversions

Conversions Part 2

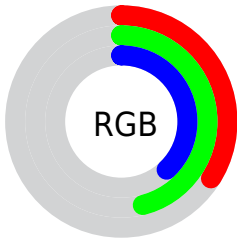
Format	Color
R_{YB}	86, 109, 118
Decimal	5666402
CIE _{Lab}	46.73, -15.98, 7.33
CIE _{LCh}	47, 17.583, 155.356
Yxy	15.8171, 0.2961, 0.3740
Android (android.graphics.Color)	4283856482 (0xFF567662)
YUV	106.1520, -4.0189, -17.6733
Hunter-Lab	39.7707, -13.3946, 7.0399

Details

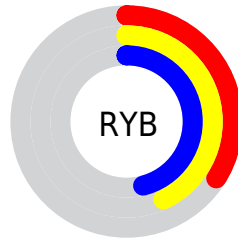
The Yxy color **15.8171, 0.2961, 0.3740** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **11.5506, 0.3341, 0.2880**, and the grayscale version is **14.4723, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.1536, 0.2997, 0.3618**, and **4.9355, 0.2860, 0.3938** is the 20% darker color. If you saturate the color by 10%, you get **15.1700, 0.2906, 0.3938**, and if you desaturate by 10%, it is **16.5708, 0.3021, 0.3559**.

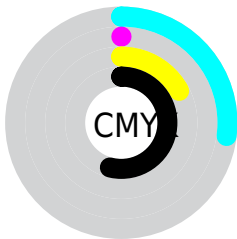
Distribution



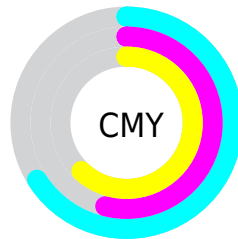
- Red (34%)
- Green (46%)
- Blue (38%)



- Red (34%)
- Yellow (43%)
- Blue (46%)



- Cyan (27%)
- Magenta (0%)
- Yellow (17%)
- Black (54%)





- Cyan (66%)
- Magenta (54%)
- Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.8171, 0.2961, 0.3740 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 15.8171, 0.2961, 0.3740 by changing the saturation by 10% instead.


 15.8171, 0.2961,
0.3740


 15.8171, 0.2961,
0.3740


228.2600, 0.3062,
0.3468


 9.3948, 0.2926,
0.3832

 36.2804, 0.3004,
0.3626


 4.9996, 0.2874,
0.3970

 51.0902, 0.3018,
0.3588

 2.2470, 0.2785,
0.4202

 69.4646, 0.3029,
0.3558

 0.7455, 0.2336,
0.5469

 91.7881, 0.3038,
0.3534

 0.0000, 0.0000,
0.0000

 118.4450, 0.3046,
0.3513

149.8196, 0.3052,

0.3496

186.2965, 0.3057,
0.3481

■ 15.8171, 0.2961,
0.3740

■ 15.8171, 0.2961,
0.3740

■ 15.1700, 0.2906,
0.3938

■ 16.5708, 0.3021,
0.3559

■ 14.6227, 0.2857,
0.4152

■ 17.4338, 0.3083,
0.3395

■ 14.1706, 0.2819,
0.4378

■ 18.4109, 0.3145,
0.3249

■ 13.8079, 0.2794,
0.4610

■ 19.5062, 0.3207,
0.3120

■ 13.5281, 0.2783,
0.4841

■ 20.7235, 0.3267,
0.3006

■ 13.3240, 0.2789,
0.5064

■ 22.0666, 0.3325,
0.2906

■ 13.1788, 0.2809,
0.5271

■ 23.5390, 0.3380,
0.2818

■ 13.1402, 0.2814,
0.5329

■ 25.1440, 0.3433,
0.2741

■ 26.8849, 0.3482,
0.2674

Harmonies

Analogous

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



15.8171, 0.3312, 0.3910



15.8171, 0.2961, 0.3740



15.8171, 0.2666, 0.3429

Triad

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



15.8171, 0.2961, 0.3740



15.8171, 0.2633, 0.2721



15.8171, 0.3802, 0.3425

Complementary

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



15.8171, 0.2961, 0.3740



11.5506, 0.3341, 0.2880

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.



15.8171, 0.3600, 0.3137



15.8171, 0.2961, 0.3740



15.8171, 0.2914, 0.2744

Square

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



15.8171, 0.2961, 0.3740



15.8171, 0.2485, 0.2840



15.8171, 0.3268, 0.2895



15.8171, 0.3809, 0.3698

Rectangle

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



15.8171, 0.2961, 0.3740



15.8171, 0.2536, 0.3200



15.8171, 0.3268, 0.2895



15.8171, 0.3754, 0.3328

Sweetspot

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



15.8178, 0.2961, 0.3740



30.4794, 0.3076, 0.3412



16.7093, 0.3355, 0.3966



6.9620, 0.3068, 0.3432



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.



15.8178, 0.2961, 0.3740



27.0287, 0.2923, 0.3872



16.1445, 0.2794, 0.3382



4.1188, 0.3071, 0.3426



14.2141, 0.2816, 0.5336



69.1128, 0.2842, 0.5432

Inverse Universe

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



11.5506, 0.3341, 0.2880



18.0985, 0.3410, 0.2774



11.2530, 0.3601, 0.3201



3.7357, 0.3188, 0.3158



4.6953, 0.4387, 0.2190



22.7108, 0.4468, 0.2235

Previews

White Background



This preview shows how the Yxy color 15.8171, 0.2961, 0.3740 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 15.8171, 0.2961, 0.3740 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

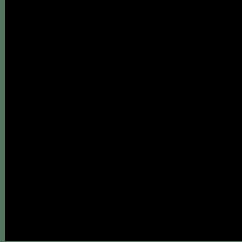
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

Yxy 15.8171, 0.2961, 0.3740

Background



This preview shows how black text looks on a background with the Yxy color 15.8171, 0.2961, 0.3740.



This preview shows how white text looks on a background with the Yxy color 15.8171, 0.2961, 0.3740.

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

15.8171, 0.2961, 0.3740

Protanopia

15.6730, 0.3417, 0.3619

Deuteranopia

15.5881, 0.3480, 0.3409



Tritanopia

15.7140, 0.2737, 0.3078

Trichromacy



Original Color

15.8171, 0.2961, 0.3740

Protanomaly

15.6397, 0.3242, 0.3675

Deuteranomaly

15.4322, 0.3281, 0.3520

Tritanomaly

15.6231, 0.2809, 0.3289

Monochromacy



Original Color

15.8171, 0.2961, 0.3740

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 15.8171, 0.2961, 0.3740 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(86, 118, 98) looks like.

```
.text, #text, p{  
    color:rgb(86, 118, 98)  
}
```

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(86, 118, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 118, 98) }
```

Border

The CSS property to change the border of an element to Yxy 15.8171, 0.2961, 0.3740 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(86, 118, 98) }
```

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

```
.border{ border-color:rgb(86, 118, 98) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 118, 98)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 118, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 118, 98);  
box-shadow:4px 4px 4px 4px rgb(86, 118,  
98) }
```


Background

The CSS property to change the background color of an element to Yxy 15.8171, 0.2961, 0.3740 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 118, 98) }
```

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

```
.background{ background-color: rgb(86, 118,  
98) }
```

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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