

Converting Colors

$Y_{xy}(15.1848, 0.2775, 0.4069)$

Have a look what the booklet for
Yxy(15.1848, 0.2775, 0.4069)
contains.

Yxy(15.0840, 0.2773, 0.4052)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

$\text{Yxy}(15.0840, 0.2773, 0.4052)$

Conversions

Conversions Part 1

Format	Color
Hex	3B7859
RGB	59, 120, 89
RGB Percent	23%, 47%, 35%
CMY	0.7687, 0.5294, 0.6510
CMYK	0.51, 0.00, 0.26, 0.53
HSL	150°, 34%, 35%
HSV	150°, 51%, 47%
XYZ	10.3228, 15.0840, 11.8193
YIQ	98.2270, -26.4050, -22.5730

Conversions

Conversions Part 2

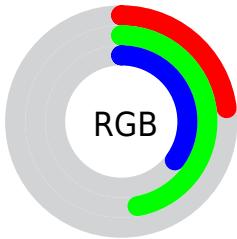
Format	Color
RYB	59, 100, 120
Decimal	3897433
CIELab	45.75, -27.60, 11.06
CIElCh	46, 29.737, 158.169
Yxy	15.0840, 0.2773, 0.4052
Android (android.graphics.Color)	4282087513 (0xFF3B7859)
YUV	98.2270, -4.5489, -34.4021
Hunter-Lab	38.8381, -20.5232, 9.1435

Details

The Yxy color **15.0840, 0.2773, 0.4052** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **7.8580, 0.3767, 0.2654**, and the grayscale version is **12.2897, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.0662, 0.2863, 0.3857**, and **4.6809, 0.2582, 0.4493** is the 20% darker color. If you saturate the color by 10%, you get **14.6610, 0.2730, 0.4237**, and if you desaturate by 10%, it is **15.6011, 0.2829, 0.3876**.

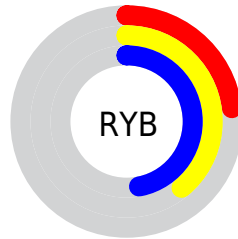
Distribution



Red (23%)

Green (47%)

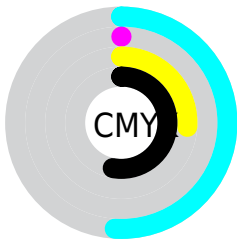
Blue (35%)



Red (23%)

Yellow (39%)

Blue (47%)

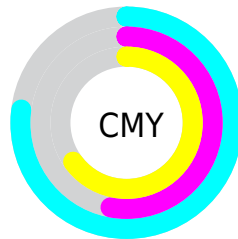


Cyan (51%)

Magenta (0%)

Yellow (26%)

Black (53%)



Cyan (77%)


Magenta (53%)

Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.0840, 0.2773, 0.4052 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 15.0840, 0.2773, 0.4052 by changing the saturation by 10% instead.


 15.0840, 0.2773,
0.4052


 15.0840, 0.2773,
0.4052


223.8741, 0.2992,
0.3582


 8.8784, 0.2696,
0.4217


 35.0005, 0.2866,
0.3852


 4.6619, 0.2578,
0.4470

 49.4801, 0.2897,
0.3786

 2.0503, 0.2374,
0.4910

 67.4865, 0.2921,
0.3735

 0.6365, 0.0000,
1.0000

 89.4041, 0.2940,
0.3693

 0.0000, 0.0000,
0.0000

 115.6172, 0.2956,
0.3658

 146.5104, 0.2970,

0.3629

182.4678, 0.2982,
0.3604

■ 15.0840, 0.2773,
0.4052

■ 15.0840, 0.2773,
0.4052

■ 14.6610, 0.2730,
0.4237

■ 15.6011, 0.2829,
0.3876

■ 14.3241, 0.2702,
0.4427

■ 16.2158, 0.2894,
0.3712

■ 14.0671, 0.2691,
0.4618

■ 16.9339, 0.2966,
0.3561

■ 13.8821, 0.2699,
0.4805

■ 17.7601, 0.3042,
0.3424

■ 13.7500, 0.2714,
0.4971

■ 18.6987, 0.3121,
0.3300

■ 19.7540, 0.3199,
0.3189

■ 20.9299, 0.3277,
0.3091

■ 22.2301, 0.3353,
0.3005

■ 23.6582, 0.3426,
0.2929

Harmonies

Analogous

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



15.0840, 0.3357, 0.4378



15.0840, 0.2773, 0.4052



15.0840, 0.2312, 0.3457

Triad

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



15.0840, 0.2773, 0.4052



15.0840, 0.2338, 0.2347



15.0840, 0.4308, 0.3521

Complementary

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



15.0840, 0.2773, 0.4052



7.8580, 0.3767, 0.2654

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.



15.0840, 0.3986, 0.3062



15.0840, 0.2773, 0.4052



15.0840, 0.2807, 0.2418

Square

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



15.0840, 0.2773, 0.4052



15.0840, 0.2086, 0.2493



15.0840, 0.3415, 0.2672



15.0840, 0.4268, 0.3974

Rectangle

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



15.0840, 0.2773, 0.4052



15.0840, 0.2126, 0.3053



15.0840, 0.3415, 0.2672



15.0840, 0.4239, 0.3364

Sweetspot

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



15.0846, 0.2773, 0.4052



30.5536, 0.3007, 0.3484



15.9489, 0.3431, 0.4648



7.1824, 0.2994, 0.3507



62.0916, 0.3127, 0.3290



7.8288, 0.3127, 0.3290

Same Dimension

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



15.0846, 0.2773, 0.4052



25.6764, 0.2724, 0.4268



15.6949, 0.2500, 0.3311



4.4798, 0.3056, 0.3401



14.9966, 0.2716, 0.4978



71.3638, 0.2741, 0.5067

Inverse Universe

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



7.8580, 0.3767, 0.2654



11.4263, 0.3994, 0.2531



7.4463, 0.4451, 0.3273



4.0459, 0.3205, 0.3182



4.7205, 0.4857, 0.2449



22.3449, 0.4965, 0.2509

Previews

White Background



This preview shows how the Yxy color 15.0840, 0.2773, 0.4052 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 15.0840, 0.2773, 0.4052 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 15.0840, 0.2773, 0.4052

Background



This preview shows how black text looks on a background with the Yxy color 15.0840, 0.2773, 0.4052.



This preview shows how white text looks on a background with the Yxy color 15.0840, 0.2773, 0.4052.

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

15.0840, 0.2773, 0.4052

Protanopia

14.9945, 0.3558, 0.3813

Deuteranopia

14.9760, 0.3572, 0.3511



Tritanopia

15.0073, 0.2510, 0.3066

Trichromacy



Original Color

15.0840, 0.2773, 0.4052

Protanomaly

14.6771, 0.3231, 0.3902

Deuteranomaly

14.6339, 0.3217, 0.3689

Tritanomaly

15.0162, 0.2600, 0.3405

Monochromacy



Original Color

15.0840, 0.2773, 0.4052

Achromatopsia

12.2139, 0.3127, 0.3290

Achromatomaly

13.0191, 0.2967, 0.3551

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.0840, 0.2773, 0.4052 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(59, 120, 89)` looks like.

```
.text, #text, p{  
    color:rgb(59, 120, 89)  
}
```

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(59, 120, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 120, 89) }
```

Border

The CSS property to change the border of an element to Yxy 15.0840, 0.2773, 0.4052 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(59, 120, 89) }
```

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

```
.border{ border-color:rgb(59, 120, 89) }
```

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

Here you see how a box with a 4 pixel rgb(59, 120, 89) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 120, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 120, 89);  
box-shadow:4px 4px 4px 4px rgb(59, 120,  
89) }
```


Background

The CSS property to change the background color of an element to Yxy 15.0840, 0.2773, 0.4052 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 120, 89) }
```

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

```
.background{ background-color: rgb(59, 120,  
89) }
```

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