

Converting Colors

$Y_{xy}(15.9336, 0.3031, 0.3958)$

Have a look what the booklet for
Yxy(15.9336, 0.3031, 0.3958)
contains.

Yxy(15.8631, 0.3036, 0.3952)	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

$Y_{xy}(15.8631, 0.3036, 0.3952)$

Conversions

Conversions Part 1

Format	Color
Hex	55775A
RGB	85, 119, 90
RGB Percent	33%, 47%, 35%
CMY	0.6668, 0.5333, 0.6471
CMYK	0.29, 0.00, 0.24, 0.53
HSL	129°, 17%, 40%
HSV	129°, 29%, 47%
XYZ	12.1863, 15.8631, 12.0900
YIQ	105.5280, -10.9550, -16.2270

Conversions

Conversions Part 2

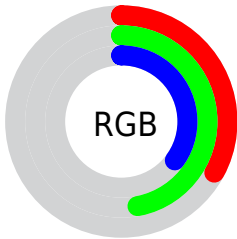
Format	Color
R_{YB}	85, 115, 119
Decimal	5601114
CIE _{Lab}	46.79, -18.54, 12.14
CIE _{LCh}	47, 22.161, 146.790
Yxy	15.8631, 0.3036, 0.3952
Android (android.graphics.Color)	4283791194 (0xFF55775A)
YUV	105.5280, -7.6553, -18.0031
Hunter-Lab	39.8285, -15.0842, 9.8824

Details

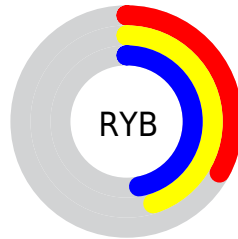
The Yxy color **15.8631, 0.3036, 0.3952** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **11.6300, 0.3234, 0.2708**, and the grayscale version is **14.2995, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.2535, 0.3069, 0.3778**, and **4.9742, 0.2974, 0.4296** is the 20% darker color. If you saturate the color by 10%, you get **15.1919, 0.3006, 0.4231**, and if you desaturate by 10%, it is **16.6529, 0.3068, 0.3696**.

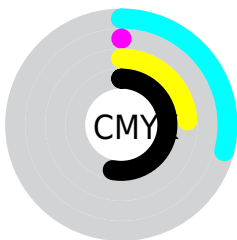
Distribution



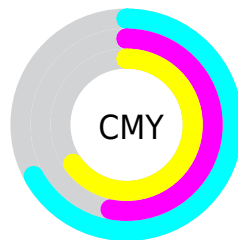
- Red (33%)
- Green (47%)
- Blue (35%)



- Red (33%)
- Yellow (45%)
- Blue (47%)



- Cyan (29%)
- Magenta (0%)
- Yellow (24%)
- Black (53%)





- Cyan (67%)
- Magenta (53%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.8631, 0.3036, 0.3952 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 15.8631, 0.3036, 0.3952 by changing the saturation by 10% instead.


 15.8631, 0.3036,
0.3952


 15.8631, 0.3036,
0.3952


228.5325, 0.3096,
0.3549


 9.4273, 0.3012,
0.4089


 36.3604, 0.3063,
0.3782


 5.0209, 0.2973,
0.4298

 51.1907, 0.3072,
0.3726


 2.2596, 0.2898,
0.4650

 69.5879, 0.3078,
0.3682

 0.7522, 0.2586,
0.7414

 91.9366, 0.3083,
0.3645

 0.0000, 0.0000,
0.0000

 118.6209, 0.3087,
0.3615

150.0255, 0.3091,

0.3590

186.5345, 0.3094,
0.3568

■ 15.8631, 0.3036,
0.3952

■ 15.8631, 0.3036,
0.3952

■ 15.1919, 0.3006,
0.4231

■ 16.6529, 0.3068,
0.3696

■ 14.6316, 0.2979,
0.4527

■ 17.5646, 0.3100,
0.3467

■ 14.1769, 0.2958,
0.4830

■ 18.6038, 0.3132,
0.3263

■ 13.8211, 0.2944,
0.5127

■ 19.7751, 0.3162,
0.3084

■ 13.5566, 0.2940,
0.5400

■ 21.0829, 0.3190,
0.2928

■ 13.3749, 0.2945,
0.5631

■ 22.5316, 0.3217,
0.2792

■ 13.2534, 0.2953,
0.5811

■ 24.1250, 0.3241,
0.2674

■ 13.2379, 0.2954,
0.5833

■ 25.8671, 0.3264,
0.2572

■ 27.7616, 0.3285,
0.2483

Harmonies

Analogous

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



15.8631, 0.3475, 0.4093



15.8631, 0.3036, 0.3952



15.8631, 0.2640, 0.3587

Triad

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



15.8631, 0.3036, 0.3952



15.8631, 0.2442, 0.2604



15.8631, 0.3929, 0.3346

Complementary

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



15.8631, 0.3036, 0.3952



11.6300, 0.3234, 0.2708

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.



15.8631, 0.3613, 0.3003



15.8631, 0.3036, 0.3952



15.8631, 0.2744, 0.2590

Square

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



15.8631, 0.3036, 0.3952



15.8631, 0.2315, 0.2795



15.8631, 0.3170, 0.2734



15.8631, 0.4010, 0.3698

Rectangle

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



15.8631, 0.3036, 0.3952



15.8631, 0.2449, 0.3292



15.8631, 0.3170, 0.2734



15.8631, 0.3846, 0.3227

Sweetspot

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



15.8638, 0.3036, 0.3952



31.3391, 0.3098, 0.3480



17.4602, 0.3475, 0.3982



7.3776, 0.3094, 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.



15.8638, 0.3036, 0.3952



27.6257, 0.3017, 0.4124



16.1774, 0.2859, 0.3566



4.1062, 0.3099, 0.3476



14.0613, 0.2955, 0.5836



68.4416, 0.2971, 0.5897

Inverse Universe

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



11.6300, 0.3234, 0.2708



18.7870, 0.3263, 0.2579



11.2868, 0.3501, 0.3031



3.7491, 0.3157, 0.3111



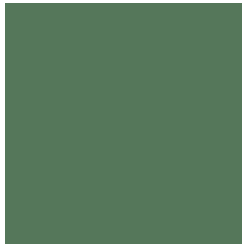
5.1736, 0.3605, 0.1759



25.1128, 0.3629, 0.1773

Previews

White Background



This preview shows how the Yxy color 15.8631, 0.3036, 0.3952 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 15.8631, 0.3036, 0.3952 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

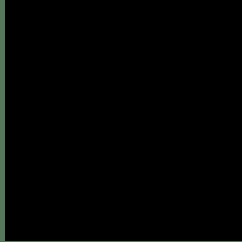
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.8631, 0.3036, 0.3952

Background



This preview shows how black text looks on a background with the Yxy color 15.8631, 0.3036, 0.3952.



This preview shows how white text looks on a background with the Yxy color 15.8631, 0.3036, 0.3952.

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

15.8631, 0.3036, 0.3952

Protanopia

15.6753, 0.3552, 0.3781

Deuteranopia

15.6876, 0.3622, 0.3545



Tritanopia

15.9409, 0.2738, 0.3100

Trichromacy



Original Color

15.8631, 0.3036, 0.3952

Protanomaly

15.5625, 0.3356, 0.3849

Deuteranomaly

15.5863, 0.3383, 0.3688

Tritanomaly

15.7845, 0.2843, 0.3376

Monochromacy



Original Color

15.8631, 0.3036, 0.3952

Achromatopsia

14.4128, 0.3127, 0.3290

Achromatomaly

14.8856, 0.3089, 0.3532

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.8631, 0.3036, 0.3952 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(85, 119, 90)` looks like.

```
.text, #text, p{  
    color:rgb(85, 119, 90)  
}
```

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(85, 119, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 119, 90) }
```

Border

The CSS property to change the border of an element to Yxy 15.8631, 0.3036, 0.3952 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(85, 119, 90) }
```

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

```
.border{ border-color:rgb(85, 119, 90) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 119, 90)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 119, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 119, 90);  
box-shadow:4px 4px 4px 4px rgb(85, 119,  
90) }
```


Background

The CSS property to change the background color of an element to Yxy 15.8631, 0.3036, 0.3952 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 119, 90) }
```

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

```
.background{ background-color: rgb(85, 119,  
90) }
```

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