

Converting Colors

$Y_{xy}(15.5803, 0.3022, 0.3832)$

Have a look what the booklet for
Yxy(15.5803, 0.3022, 0.3832)
contains.

Yxy(15.5391, 0.3028, 0.3835)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

$Y_{xy}(15.5391, 0.3028, 0.3835)$

Conversions

Conversions Part 1

Format	Color
Hex	57755D
RGB	87, 117, 93
RGB Percent	34%, 46%, 36%
CMY	0.6587, 0.5412, 0.6353
CMYK	0.26, 0.00, 0.21, 0.54
HSL	132°, 15%, 40%
HSV	132°, 26%, 46%
XYZ	12.2692, 15.5391, 12.7109
YIQ	105.2940, -10.1760, -13.8240

Conversions

Conversions Part 2

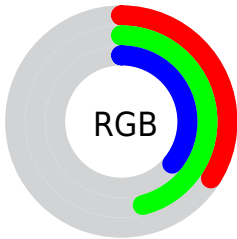
Format	Color
R_{YB}	87, 112, 117
Decimal	5731677
CIE _{Lab}	46.36, -16.12, 9.78
CIE _{LCh}	46, 18.849, 148.754
Yxy	15.5391, 0.3028, 0.3835
Android (android.graphics.Color)	4283921757 (0xFF57755D)
YUV	105.2940, -6.0609, -16.0438
Hunter-Lab	39.4197, -13.4270, 8.4757

Details

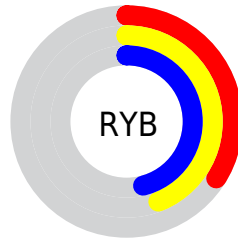
The Yxy color **15.5391, 0.3028, 0.3835** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **11.7492, 0.3245, 0.2800**, and the grayscale version is **14.2308, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.6775, 0.3054, 0.3699**, and **4.9126, 0.2960, 0.4135** is the 20% darker color. If you saturate the color by 10%, you get **14.8655, 0.2991, 0.4089**, and if you desaturate by 10%, it is **16.3257, 0.3067, 0.3604**.

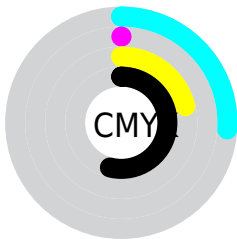
Distribution



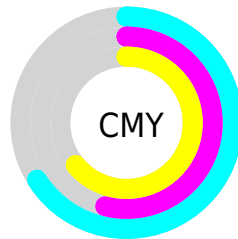
- Red (34%)
- Green (46%)
- Blue (36%)



- Red (34%)
- Yellow (44%)
- Blue (46%)



- Cyan (26%)
- Magenta (0%)
- Yellow (21%)
- Black (54%)





- Cyan (66%)
- Magenta (54%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.5391, 0.3028, 0.3835 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 15.5391, 0.3028, 0.3835 by changing the saturation by 10% instead.


 15.5391, 0.3028,
0.3835


 15.5391, 0.3028,
0.3835


226.6065, 0.3091,
0.3504

 9.1986, 0.3005,
0.3948


 35.7962, 0.3056,
0.3696


 4.8710, 0.2967,
0.4119

 50.4816, 0.3064,
0.3650

 2.1717, 0.2899,
0.4408

 68.7174, 0.3071,
0.3613

 0.7045, 0.2595,
0.6620

 90.8880, 0.3077,
0.3583

 0.0000, 0.0000,
0.0000

 117.3778, 0.3081,
0.3558

148.5712, 0.3085,

0.3537

184.8526, 0.3088,
0.3519

■ 15.5391, 0.3028,
0.3835

■ 15.5391, 0.3028,
0.3835

■ 14.8655, 0.2991,
0.4089

■ 16.3257, 0.3067,
0.3604

■ 14.2977, 0.2959,
0.4363

■ 17.2280, 0.3105,
0.3396

■ 13.8308, 0.2932,
0.4648

■ 18.2512, 0.3144,
0.3212

■ 13.4589, 0.2914,
0.4935

■ 19.3995, 0.3181,
0.3051

■ 13.1752, 0.2907,
0.5210

■ 20.6771, 0.3216,
0.2910

■ 12.9722, 0.2912,
0.5458

■ 22.0879, 0.3249,
0.2787

■ 12.8365, 0.2925,
0.5665

■ 23.6354, 0.3280,
0.2680

■ 12.7855, 0.2929,
0.5744

■ 25.3233, 0.3308,
0.2587

■ 27.1550, 0.3335,
0.2506

Harmonies

Analogous

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



15.5391, 0.3406, 0.3972



15.5391, 0.3028, 0.3835



15.5391, 0.2690, 0.3520

Triad

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



15.5391, 0.3028, 0.3835



15.5391, 0.2548, 0.2693



15.5391, 0.3824, 0.3364

Complementary

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



15.5391, 0.3028, 0.3835



11.7492, 0.3245, 0.2800

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.



15.5391, 0.3566, 0.3062



15.5391, 0.3028, 0.3835



15.5391, 0.2821, 0.2687

Square

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



15.5391, 0.3028, 0.3835



15.5391, 0.2426, 0.2852



15.5391, 0.3192, 0.2820



15.5391, 0.3880, 0.3667

Rectangle

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



15.5391, 0.3028, 0.3835



15.5391, 0.2530, 0.3271



15.5391, 0.3192, 0.2820



15.5391, 0.3758, 0.3260

Sweetspot

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



15.5398, 0.3028, 0.3835



30.4136, 0.3095, 0.3447



16.8227, 0.3417, 0.3911



6.9448, 0.3091, 0.3473



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.



15.5398, 0.3028, 0.3835



27.0593, 0.3005, 0.3990



15.8214, 0.2869, 0.3499



4.1091, 0.3092, 0.3464



14.0854, 0.2931, 0.5751



68.5389, 0.2951, 0.5824

Inverse Universe

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



11.7492, 0.3245, 0.2800



18.9910, 0.3280, 0.2680



11.4554, 0.3476, 0.3091



3.7460, 0.3164, 0.3122



5.0475, 0.3767, 0.1849



24.4738, 0.3802, 0.1868

Previews

White Background



This preview shows how the Yxy color 15.5391, 0.3028, 0.3835 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 15.5391, 0.3028, 0.3835 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

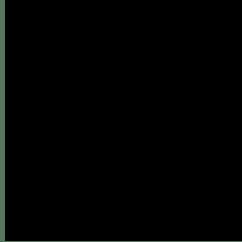
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.5391, 0.3028, 0.3835

Background



This preview shows how black text looks on a background with the Yxy color 15.5391, 0.3028, 0.3835.

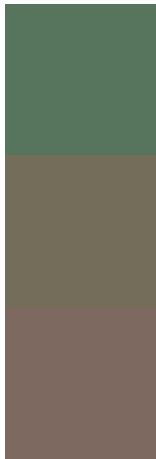


This preview shows how white text looks on a background with the Yxy color 15.5391, 0.3028, 0.3835.

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

15.5391, 0.3028, 0.3835

Protanopia

15.3716, 0.3488, 0.3704

Deuteranopia

15.2893, 0.3554, 0.3489



Tritanopia

15.4907, 0.2767, 0.3098

Trichromacy



Original Color

15.5391, 0.3028, 0.3835

Protanomaly

15.3298, 0.3307, 0.3765

Deuteranomaly

15.1249, 0.3349, 0.3606

Tritanomaly

15.3560, 0.2863, 0.3355

Monochromacy



Original Color

15.5391, 0.3028, 0.3835

Achromatopsia

14.1263, 0.3127, 0.3290

Achromatomaly

14.4735, 0.3078, 0.3466

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.5391, 0.3028, 0.3835 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, 93)` looks like.

```
.text, #text, p{  
    color:rgb(87, 117, 93)  
}
```

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, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 117, 93) }
```

Border

The CSS property to change the border of an element to Yxy 15.5391, 0.3028, 0.3835 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, 93) }
```

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

```
.border{ border-color:rgb(87, 117, 93) }
```

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, 93) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 117, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 117, 93);  
box-shadow:4px 4px 4px 4px rgb(87, 117,  
93) }
```


Background

The CSS property to change the background color of an element to Yxy 15.5391, 0.3028, 0.3835 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, 93) }
```

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

```
.background{ background-color: rgb(87, 117,  
93) }
```

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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