

Converting Colors

$Y_{xy}(13.3841, 0.2798, 0.3875)$

Have a look what the booklet for
Yxy(13.3841, 0.2798, 0.3875)
contains.

Yxy(13.3664, 0.2793, 0.3870)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(13.3664, 0.2793, 0.3870)

Conversions

Conversions Part 1

Format	Color
Hex	3F7059
RGB	63, 112, 89
RGB Percent	25%, 44%, 35%
CMY	0.7530, 0.5608, 0.6509
CMYK	0.44, 0.00, 0.21, 0.56
HSL	152°, 28%, 34%
HSV	152°, 44%, 44%
XYZ	9.6466, 13.3664, 11.5255
YIQ	94.7270, -21.8210, -17.5410

Conversions

Conversions Part 2

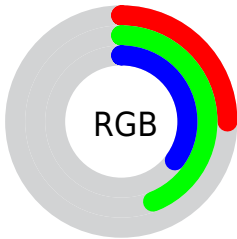
Format	Color
RYB	63, 95, 112
Decimal	4157529
CIELab	43.31, -22.42, 7.65
CIELCh	43, 23.688, 161.157
Yxy	13.3664, 0.2793, 0.3870
Android (android.graphics.Color)	4282347609 (0xFF3F7059)
YUV	94.7270, -2.8234, -27.8246
Hunter-Lab	36.5601, -16.8818, 6.9010

Details

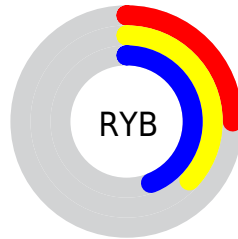
The Yxy color **13.3664, 0.2793, 0.3870** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **7.6691, 0.3680, 0.2784**, and the grayscale version is **11.3851, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.9257, 0.2879, 0.3714**, and **3.9194, 0.2616, 0.4235** is the 20% darker color. If you saturate the color by 10%, you get **12.9499, 0.2737, 0.4032**, and if you desaturate by 10%, it is **13.8653, 0.2859, 0.3718**.

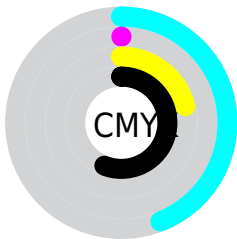
Distribution



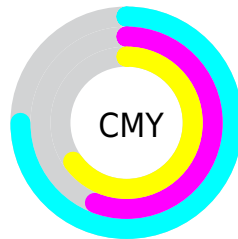
- Red (25%)
- Green (44%)
- Blue (35%)



- Red (25%)
- Yellow (37%)
- Blue (44%)



- Cyan (44%)
- Magenta (0%)
- Yellow (21%)
- Black (56%)



- Cyan (75%)
- Magenta (56%)
- Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 13.3664, 0.2793, 0.3870 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 13.3664, 0.2793, 0.3870 by changing the saturation by 10% instead.

■ 13.3664, 0.2793,
0.3870

■ 13.3664, 0.2793,
0.3870

■ 213.2527, 0.2999,
0.3510

■ 7.6813, 0.2720,
0.3999

■ 31.9605, 0.2881,
0.3715

■ 3.8917, 0.2608,
0.4200

■ 45.6383, 0.2910,
0.3665

■ 1.6132, 0.2411,
0.4557

■ 62.7491, 0.2932,
0.3626

■ 0.3665, 0.0000,
1.0000

■ 83.6774, 0.2951,
0.3594

■ 0.0000, 0.0000,
0.0000

■ 108.8075, 0.2966,
0.3567

■ 138.5238, 0.2979,

0.3545

173.2108, 0.2990,
0.3526

■ 13.3664, 0.2793,
0.3870

■ 13.3664, 0.2793,
0.3870

■ 12.9499, 0.2737,
0.4032

■ 13.8653, 0.2859,
0.3718

■ 12.6096, 0.2695,
0.4202

■ 14.4493, 0.2934,
0.3576

■ 12.3406, 0.2668,
0.4377


■ 15.1230, 0.3013,
0.3448


■ 12.1371, 0.2659,
0.4551

■ 15.8901, 0.3096,
0.3331

■ 11.9905, 0.2668,
0.4723


■ 16.7542, 0.3179,
0.3226

 11.9102, 0.2675,
0.4830

 17.7185, 0.3262,
0.3133

 18.7864, 0.3344,
0.3050

 19.9607, 0.3424,
0.2977

 21.2446, 0.3500,
0.2913

Harmonies

Analogous

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



13.3664, 0.3279, 0.4167



13.3664, 0.2793, 0.3870



13.3664, 0.2416, 0.3383

Triad

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



13.3664, 0.2793, 0.3870



13.3664, 0.2497, 0.2491



13.3664, 0.4117, 0.3538

Complementary

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



13.3664, 0.2793, 0.3870



7.6691, 0.3680, 0.2784

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.



13.3664, 0.3877, 0.3142



13.3664, 0.2793, 0.3870



13.3664, 0.2912, 0.2565

Square

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



13.3664, 0.2793, 0.3870



13.3664, 0.2259, 0.2603



13.3664, 0.3421, 0.2797



13.3664, 0.4062, 0.3911

Rectangle

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



13.3664, 0.2793, 0.3870



13.3664, 0.2268, 0.3057



13.3664, 0.3421, 0.2797



13.3664, 0.4068, 0.3404

Sweetspot

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



13.3669, 0.2793, 0.3870



26.6197, 0.3017, 0.3442



13.9586, 0.3375, 0.4447



6.3411, 0.3002, 0.3464



58.7016, 0.3127, 0.3290



6.8385, 0.3127, 0.3290

Same Dimension

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



13.3669, 0.2793, 0.3870



22.7072, 0.2734, 0.4043



13.6359, 0.2560, 0.3269



3.7901, 0.3052, 0.3390



13.7630, 0.2678, 0.4841



68.3841, 0.2703, 0.4931

Inverse Universe

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



7.6691, 0.3680, 0.2784



11.2324, 0.3883, 0.2668



7.4475, 0.4180, 0.3311



3.4251, 0.3209, 0.3192



4.2699, 0.5008, 0.2532



21.0987, 0.5132, 0.2601

Previews

White Background



This preview shows how the Yxy color 13.3664, 0.2793, 0.3870 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 13.3664, 0.2793, 0.3870 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 13.3664, 0.2793, 0.3870

Background



This preview shows how black text looks on a background with the Yxy color 13.3664, 0.2793, 0.3870.



This preview shows how white text looks on a background with the Yxy color 13.3664, 0.2793, 0.3870.

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

13.3664, 0.2793, 0.3870

Protanopia

13.3310, 0.3466, 0.3686

Deuteranopia

13.1529, 0.3474, 0.3418



Tritanopia

13.3116, 0.2568, 0.3080

Trichromacy



Original Color

13.3664, 0.2793, 0.3870

Protanomaly

13.2553, 0.3189, 0.3758

Deuteranomaly

12.9426, 0.3186, 0.3566

Tritanomaly

13.1921, 0.2640, 0.3337

Monochromacy



Original Color

13.3664, 0.2793, 0.3870

Achromatopsia

11.4435, 0.3127, 0.3290

Achromatomaly

11.9367, 0.2977, 0.3485

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.3664, 0.2793, 0.3870 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(63, 112, 89)` looks like.

```
.text, #text, p{  
    color:rgb(63, 112, 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(63, 112, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 112, 89) }
```

Border

The CSS property to change the border of an element to Yxy 13.3664, 0.2793, 0.3870 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(63, 112, 89) }
```

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

```
.border{ border-color:rgb(63, 112, 89) }
```

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

Here you see how a box with a 4 pixel `rgb(63, 112, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 112, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 112, 89);  
box-shadow:4px 4px 4px 4px rgb(63, 112,  
89) }
```


Background

The CSS property to change the background color of an element to Yxy 13.3664, 0.2793, 0.3870 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 112, 89) }
```

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

```
.background{ background-color: rgb(63, 112,  
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