

Converting Colors

$Y_{xy}(13.4254, 0.2370, 0.3515)$

Have a look what the booklet for
Yxy(13.4254, 0.2370, 0.3515)
contains.

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Color

$Y_{xy}(13.4842, 0.2370, 0.3518)$

Conversions

Conversions Part 1

Format	Color
Hex	17736A
RGB	23, 115, 106
RGB Percent	9%, 45%, 42%
CMY	0.9102, 0.5490, 0.5843
CMYK	0.80, 0.00, 0.08, 0.55
HSL	174°, 67%, 27%
HSV	174°, 80%, 45%
XYZ	9.0840, 13.4842, 15.7610
YIQ	86.4660, -51.9430, -22.3030

Conversions

Conversions Part 2

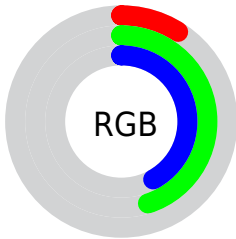
Format	Color
R_{YB}	23, 71, 115
Decimal	1536874
CIE Lab	43.48, -27.79, -2.45
CIE LCh	43, 27.901, 185.044
Yxy	13.4842, 0.2370, 0.3518
Android (android.graphics.Color)	4279726954 (0xFF17736A)
YUV	86.4660, 9.6303, -55.6597
Hunter-Lab	36.7208, -20.1041, 0.2567

Details

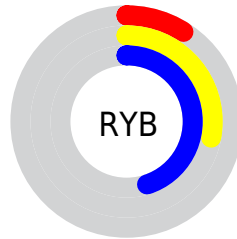
The Yxy color **13.4842, 0.2370, 0.3518** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **4.3579, 0.5536, 0.3160**, and the grayscale version is **9.3921, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.0030, 0.2557, 0.3460**, and **4.2122, 0.2329, 0.3583** is the 20% darker color. If you saturate the color by 10%, you get **13.3544, 0.2344, 0.3550**, and if you desaturate by 10%, it is **13.6742, 0.2413, 0.3486**.

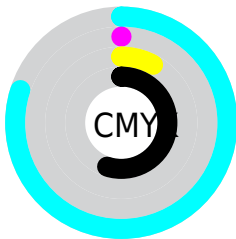
Distribution



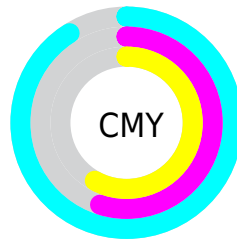
- Red (9%)
- Green (45%)
- Blue (42%)



- Red (9%)
- Yellow (28%)
- Blue (45%)



- Cyan (80%)
- Magenta (0%)
- Yellow (8%)
- Black (55%)





- Cyan (91%)
- Magenta (55%)
- Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.4842, 0.2370, 0.3518 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 13.4842, 0.2370, 0.3518 by changing the saturation by 10% instead.

 13.4842, 0.2370,
0.3518


 13.4842, 0.2370,
0.3518


213.9980, 0.2820,
0.3386


 7.7628, 0.2224,
0.3558


 32.1710, 0.2555,
0.3465


 3.9436, 0.2012,
0.3613

 45.9051, 0.2618,
0.3447


 1.6420, 0.1667,
0.3697

 63.0790, 0.2668,
0.3432

 0.3857, 0.0000,
0.3947

 84.0770, 0.2709,
0.3420

 0.0000, 0.0000,
0.0000

 109.2835, 0.2744,
0.3410

 139.0829, 0.2773,

0.3401

173.8596, 0.2798,
0.3393

■ 13.4842, 0.2370,
0.3518

■ 13.4842, 0.2370,
0.3518

■ 13.3544, 0.2344,
0.3550

■ 13.6742, 0.2413,
0.3486

■ 13.2578, 0.2328,
0.3582

■ 13.9297, 0.2473,
0.3454

■ 14.2570, 0.2551,
0.3423

■ 14.6614, 0.2643,
0.3393

■ 15.1476, 0.2750,
0.3365

■ 15.7200, 0.2867,
0.3338

■ 16.3826, 0.2993,
0.3313

■ 17.1392, 0.3126,
0.3290

■ 17.9934, 0.3263,
0.3269

Harmonies

Analogous

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



13.4842, 0.2839, 0.4080



13.4842, 0.2370, 0.3518



13.4842, 0.2112, 0.2940

Triad

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



13.4842, 0.2370, 0.3518



13.4842, 0.2760, 0.2421



13.4842, 0.4260, 0.3917

Complementary

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



13.4842, 0.2370, 0.3518



4.3579, 0.5536, 0.3160

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.



13.4842, 0.4260, 0.3470



13.4842, 0.2370, 0.3518



13.4842, 0.3344, 0.2653

Square

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



13.4842, 0.2370, 0.3518



13.4842, 0.2321, 0.2373



13.4842, 0.3914, 0.3024



13.4842, 0.3937, 0.4264

Rectangle

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



13.4842, 0.2370, 0.3518



13.4842, 0.2076, 0.2649



13.4842, 0.3914, 0.3024



13.4842, 0.4300, 0.3773

Sweetspot

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



13.4847, 0.2370, 0.3518



27.6611, 0.2812, 0.3350



12.6333, 0.3074, 0.5640



6.5300, 0.2779, 0.3358



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.



13.4847, 0.2370, 0.3518



23.7826, 0.2334, 0.3577



6.8911, 0.2040, 0.2274



4.1494, 0.3007, 0.3311



15.1529, 0.2329, 0.3584



73.7715, 0.2334, 0.3601

Inverse Universe

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



4.3579, 0.5536, 0.3160



6.7084, 0.6166, 0.3218



6.9116, 0.5069, 0.3969



3.7061, 0.3262, 0.3270



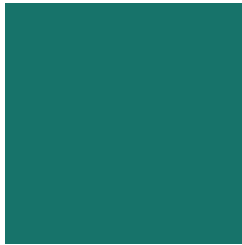
4.1933, 0.6235, 0.3209



20.3732, 0.6312, 0.3251

Previews

White Background



This preview shows how the Yxy color 13.4842, 0.2370, 0.3518 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 13.4842, 0.2370, 0.3518 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

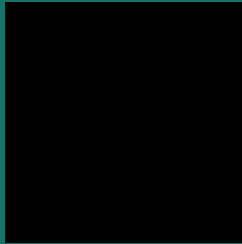
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.4842, 0.2370, 0.3518

Background



This preview shows how black text looks on a background with the Yxy color 13.4842, 0.2370, 0.3518.



This preview shows how white text looks on a background with the Yxy color 13.4842, 0.2370, 0.3518.

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

13.4842, 0.2370, 0.3518

Protanopia

13.3878, 0.3225, 0.3378

Deuteranopia

13.2790, 0.3137, 0.3079



Tritanopia

13.5727, 0.2288, 0.3072

Trichromacy



Original Color

13.4842, 0.2370, 0.3518

Protanomaly

12.9508, 0.2786, 0.3434

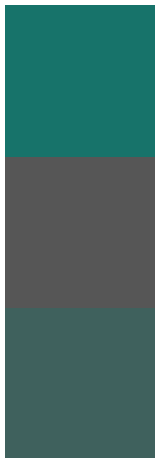
Deuteranomaly

12.8056, 0.2739, 0.3218

Tritanomaly

13.5869, 0.2320, 0.3239

Monochromacy



Original Color

13.4842, 0.2370, 0.3518

Achromatopsia

9.3059, 0.3127, 0.3290

Achromatomaly

10.3965, 0.2711, 0.3395

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.4842, 0.2370, 0.3518 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(23, 115, 106)` looks like.

```
.text, #text, p{  
  color:rgb(23, 115, 106)  
}
```

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(23, 115, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(23, 115, 106) }
```

Border

The CSS property to change the border of an element to Yxy 13.4842, 0.2370, 0.3518 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(23, 115, 106) }
```

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

```
.border{ border-color:rgb(23, 115, 106) }
```

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

Here you see how a box with a 4 pixel rgb(23, 115, 106) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(23, 115, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(23, 115, 106);  
box-shadow:4px 4px 4px 4px rgb(23, 115,  
106) }
```


Background

The CSS property to change the background color of an element to Yxy 13.4842, 0.2370, 0.3518 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(23, 115, 106) }
```

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

```
.background{ background-color: rgb(23, 115,  
106) }
```

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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