

Converting Colors

$Y_{xy}(13.7736, 0.2749, 0.3364)$

Have a look what the booklet for
Yxy(13.7736, 0.2749, 0.3364)
contains.

Yxy(13.7912, 0.2750, 0.3359) 3

***Conversions* 4**

***Details* 6**

***Harmonies* 12**

***Previews* 24**

***Color Blindness Simulation* 27**

***CSS Examples* 30**

Color

$Y_{xy}(13.7912, 0.2750, 0.3359)$

Conversions

Conversions Part 1	
Format	Color
Hex	4D6E6B
RGB	77, 110, 107
RGB Percent	30%, 43%, 42%
CMY	0.6980, 0.5686, 0.5804
CMYK	0.30, 0.00, 0.03, 0.57
HSL	175°, 18%, 37%
HSV	175°, 30%, 43%
XYZ	11.2908, 13.7912, 15.9755
YIQ	99.7910, -18.7050, -7.9290

Conversions

Conversions Part 2

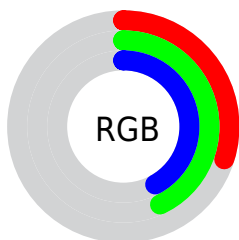
Format	Color
RYB	77, 94, 110
Decimal	5074539
CIELab	43.93, -12.54, -2.15
CIELCh	44, 12.721, 189.753
Yxy	13.7912, 0.2750, 0.3359
Android (android.graphics.Color)	4283264619 (0xFF4D6E6B)
YUV	99.7910, 3.5540, -19.9877
Hunter-Lab	37.1365, -10.7186, 0.4901

Details

The Yxy color **13.7912, 0.2750, 0.3359** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **9.2040, 0.3689, 0.3224**, and the grayscale version is **12.6831, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.8213, 0.2845, 0.3353**, and **4.0475, 0.2558, 0.3369** is the 20% darker color. If you saturate the color by 10%, you get **13.3512, 0.2643, 0.3385**, and if you desaturate by 10%, it is **14.3100, 0.2868, 0.3334**.

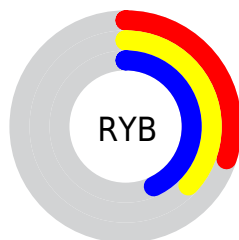
Distribution



Red (30%)

Green (43%)

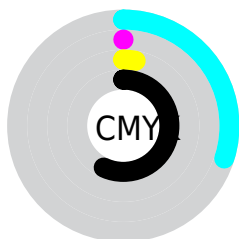
Blue (42%)



Red (30%)

Yellow (37%)

Blue (43%)

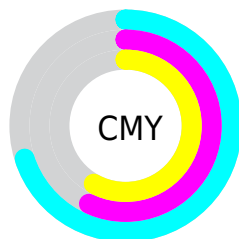


Cyan (30%)

Magenta (0%)

Yellow (3%)

Black (57%)



Cyan (70%)


Magenta (57%)


Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.7912, 0.2750, 0.3359 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 13.7912, 0.2750, 0.3359 by changing the saturation by 10% instead.


 13.7912, 0.2750,
0.3359


 13.7912, 0.2750,
0.3359


215.9280, 0.2975,
0.3319


 7.9756, 0.2676,
0.3371


 32.7181, 0.2843,
0.3343


 4.0793, 0.2566,
0.3388


 46.5981, 0.2874,
0.3338


 1.7180, 0.2387,
0.3412

 63.9351, 0.2900,
0.3333

 0.4353, 0.0922,
0.3728

 85.1135, 0.2920,
0.3330

 0.0000, 0.0000,
0.0000

 110.5175, 0.2937,
0.3326

140.5317, 0.2952,

0.3324

175.5404, 0.2964,
0.3321

■ 13.7912, 0.2750,
0.3359

■ 13.7912, 0.2750,
0.3359

■ 13.3512, 0.2643,
0.3385

■ 14.3100, 0.2868,
0.3334

■ 12.9843, 0.2550,
0.3413

■ 14.9095, 0.2994,
0.3311

■ 12.6870, 0.2472,
0.3442


■ 15.5936, 0.3127,
0.3290


■ 12.4546, 0.2411,
0.3471


■ 16.3657, 0.3264,
0.3271


■ 12.2818, 0.2367,
0.3500


■ 17.2285, 0.3403,
0.3254


 12.1625, 0.2340,
0.3530


 18.1852, 0.3541,
0.3238

 12.0718, 0.2322,
0.3559

 19.2384, 0.3678,
0.3225

 12.0718, 0.2322,
0.3560

 20.3908, 0.3812,
0.3213

 21.6449, 0.3941,
0.3203

Harmonies

Analogous

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



13.7912, 0.2966, 0.3597



13.7912, 0.2750, 0.3359



13.7912, 0.2635, 0.3112

Triad

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



13.7912, 0.2750, 0.3359



13.7912, 0.3005, 0.2881



13.7912, 0.3632, 0.3632

Complementary

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



13.7912, 0.2750, 0.3359



9.2040, 0.3689, 0.3224

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.



13.7912, 0.3646, 0.3432



13.7912, 0.2750, 0.3359



13.7912, 0.3276, 0.3010

Square

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



13.7912, 0.2750, 0.3359



13.7912, 0.2777, 0.2849



13.7912, 0.3514, 0.3207



13.7912, 0.3477, 0.3752

Rectangle

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



13.7912, 0.2750, 0.3359



13.7912, 0.2627, 0.2980



13.7912, 0.3514, 0.3207



13.7912, 0.3653, 0.3571

Sweetspot

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



13.7918, 0.2750, 0.3359



26.2685, 0.3004, 0.3310



13.4071, 0.3132, 0.4096



6.0832, 0.2990, 0.3312



57.0482, 0.3127, 0.3290



6.3724, 0.3127, 0.3290

Same Dimension

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



13.7918, 0.2750, 0.3359



23.6674, 0.2674, 0.3377



11.2176, 0.2685, 0.2973



3.8102, 0.3007, 0.3309



14.4996, 0.2323, 0.3562



72.1622, 0.2327, 0.3578

Inverse Universe

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



9.2040, 0.3689, 0.3224



14.2171, 0.3877, 0.3208



11.1985, 0.3665, 0.3586



3.4060, 0.3261, 0.3271



4.0063, 0.6244, 0.3213



19.8978, 0.6321, 0.3256

Previews

White Background



This preview shows how the Yxy color 13.7912, 0.2750, 0.3359 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 13.7912, 0.2750, 0.3359 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

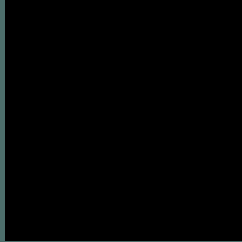
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

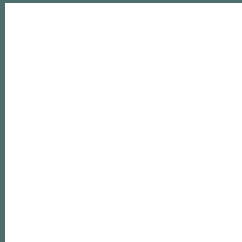
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 13.7912, 0.2750, 0.3359

Background



This preview shows how black text looks on a background with the Yxy color 13.7912, 0.2750, 0.3359.



This preview shows how white text looks on a background with the Yxy color 13.7912, 0.2750, 0.3359.

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

13.7912, 0.2750, 0.3359

Protanopia

13.6830, 0.3156, 0.3290

Deuteranopia

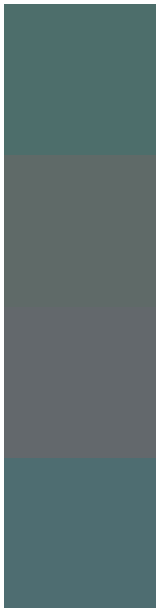
13.5980, 0.3165, 0.3102



Tritanopia

13.6717, 0.2662, 0.3085

Trichromacy



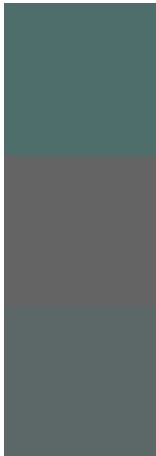
Original Color
13.7912, 0.2750, 0.3359

Protanomaly
13.7404, 0.3002, 0.3334

Deuteranomaly
13.6360, 0.3007, 0.3202

Tritanomaly
13.7492, 0.2695, 0.3197

Monochromacy



Original Color
13.7912, 0.2750, 0.3359

Achromatopsia
12.7438, 0.3127, 0.3290

Achromatomaly
13.1552, 0.2974, 0.3312

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.7912, 0.2750, 0.3359 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(77, 110, 107)` looks like.

```
.text, #text, p{  
    color:rgb(77, 110, 107)  
}
```

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(77, 110, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 110, 107) }
```

Border

The CSS property to change the border of an element to Yxy 13.7912, 0.2750, 0.3359 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(77, 110, 107) }
```

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

```
.border{ border-color:rgb(77, 110, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 110, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 110, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 110, 107);  
box-shadow:4px 4px 4px 4px rgb(77, 110,  
107) }
```


Background

The CSS property to change the background color of an element to Yxy 13.7912, 0.2750, 0.3359 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:rgb(77, 110, 107) }
```

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

```
.background{ background-color:rgb(77, 110,  
107) }
```

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