

Converting Colors

$Y_{xy}(13.2896, 0.2741, 0.3732)$

Have a look what the booklet for
Yxy(13.2896, 0.2741, 0.3732)
contains.

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Color

Yxy(13.2338, 0.2739, 0.3715)

Conversions

Conversions Part 1

Format	Color
Hex	3F6F5E
RGB	63, 111, 94
RGB Percent	25%, 44%, 37%
CMY	0.7528, 0.5647, 0.6313
CMYK	0.43, 0.00, 0.15, 0.56
HSL	159°, 28%, 34%
HSV	159°, 43%, 44%
XYZ	9.7570, 13.2338, 12.6318
YIQ	94.7100, -23.1510, -15.4630

Conversions

Conversions Part 2

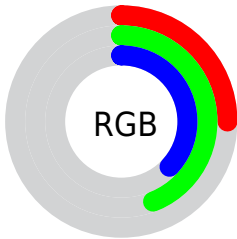
Format	Color
RYB	63, 92, 111
Decimal	4157278
CIELab	43.11, -20.68, 4.38
CIELCh	43, 21.142, 168.054
Yxy	13.2338, 0.2739, 0.3715
Android (android.graphics.Color)	4282347358 (0xFF3F6F5E)
YUV	94.7100, -0.3500, -27.8097
Hunter-Lab	36.3783, -15.7865, 4.8773

Details


The Yxy color **13.2338, 0.2739, 0.3715** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **7.5187, 0.3787, 0.2910**, and the grayscale version is **11.3785, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.7187, 0.2839, 0.3610**, and **3.8466, 0.2534, 0.3958** is the 20% darker color. If you saturate the color by 10%, you get **12.8359, 0.2672, 0.3834**, and if you desaturate by 10%, it is **13.7101, 0.2817, 0.3603**.

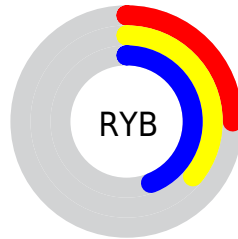
Distribution



 Red (25%)

 Green (44%)

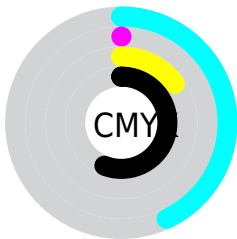
 Blue (37%)



 Red (25%)

 Yellow (36%)

 Blue (44%)

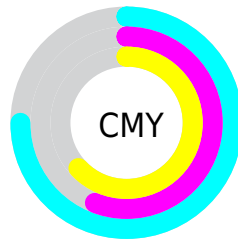



 Cyan (43%)


 Magenta (0%)

 Yellow (15%)

 Black (56%)



 Cyan (75%)


 Magenta (56%)


 Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.2338, 0.2739, 0.3715 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 13.2338, 0.2739, 0.3715 by changing the saturation by 10% instead.


 13.2338, 0.2739,
0.3715


 13.2338, 0.2739,
0.3715


212.4107, 0.2975,
0.3453


 7.5897, 0.2658,
0.3807


 31.7232, 0.2839,
0.3603


 3.8336, 0.2535,
0.3949

 45.3373, 0.2872,
0.3567

 1.5809, 0.2325,
0.4198

 62.3769, 0.2898,
0.3538

 0.3447, 0.0000,
0.8325

 83.2263, 0.2919,
0.3515

 0.0000, 0.0000,
0.0000

 108.2700, 0.2937,
0.3495

 137.8924, 0.2952,

0.3479

172.4778, 0.2964,
0.3465

■ 13.2338, 0.2739,
0.3715

■ 13.2338, 0.2739,
0.3715

■ 12.8359, 0.2672,
0.3834

■ 13.7101, 0.2817,
0.3603

■ 12.5103, 0.2619,
0.3959

■ 14.2673, 0.2905,
0.3499

■ 12.2525, 0.2583,
0.4087


■ 14.9098, 0.2998,
0.3403


■ 12.0568, 0.2564,
0.4217

■ 15.6411, 0.3095,
0.3316

■ 11.9157, 0.2563,
0.4347


■ 16.4647, 0.3195,
0.3238

 11.8315, 0.2566,
0.4436

 17.3838, 0.3295,
0.3167

 18.4014, 0.3393,
0.3105

 19.5203, 0.3490,
0.3050

 20.7435, 0.3583,
0.3001

Harmonies

Analogous

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



13.2338, 0.3165, 0.4031



13.2338, 0.2739, 0.3715



13.2338, 0.2431, 0.3273

Triad

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



13.2338, 0.2739, 0.3715



13.2338, 0.2634, 0.2568



13.2338, 0.4026, 0.3602

Complementary

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



13.2338, 0.2739, 0.3715



7.5187, 0.3787, 0.2910

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.



13.2338, 0.3868, 0.3241



13.2338, 0.2739, 0.3715



13.2338, 0.3037, 0.2670

Square

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



13.2338, 0.2739, 0.3715



13.2338, 0.2376, 0.2633



13.2338, 0.3496, 0.2910



13.2338, 0.3920, 0.3919

Rectangle

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



13.2338, 0.2739, 0.3715



13.2338, 0.2325, 0.2996



13.2338, 0.3496, 0.2910



13.2338, 0.4002, 0.3482

Sweetspot

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



13.2343, 0.2739, 0.3715



26.6822, 0.2997, 0.3404



13.4600, 0.3294, 0.4459



6.3580, 0.2979, 0.3421



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.



13.2343, 0.2739, 0.3715



22.9732, 0.2671, 0.3837



12.2280, 0.2545, 0.3133



3.7961, 0.3038, 0.3366



13.9383, 0.2568, 0.4446



69.2645, 0.2588, 0.4516

Inverse Universe

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



7.5187, 0.3787, 0.2910



11.2575, 0.4030, 0.2826



8.0488, 0.4104, 0.3438



3.4192, 0.3225, 0.3216



4.1528, 0.5467, 0.2785



20.5361, 0.5606, 0.2862

Previews

White Background



This preview shows how the Yxy color 13.2338, 0.2739, 0.3715 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 13.2338, 0.2739, 0.3715 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

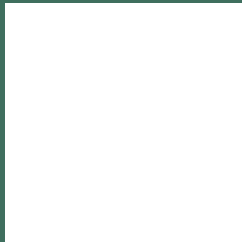
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 13.2338, 0.2739, 0.3715

Background



This preview shows how black text looks on a background with the Yxy color 13.2338, 0.2739, 0.3715.



This preview shows how white text looks on a background with the Yxy color 13.2338, 0.2739, 0.3715.

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

13.2338, 0.2739, 0.3715

Protanopia

13.0928, 0.3368, 0.3556

Deuteranopia

13.1091, 0.3369, 0.3312



Tritanopia

13.2747, 0.2558, 0.3079

Trichromacy



Original Color

13.2338, 0.2739, 0.3715

Protanomaly

13.0321, 0.3098, 0.3619

Deuteranomaly

12.9779, 0.3105, 0.3450

Tritanomaly

13.2347, 0.2620, 0.3289

Monochromacy



Original Color

13.2338, 0.2739, 0.3715

Achromatopsia

11.4435, 0.3127, 0.3290

Achromatomaly

11.9726, 0.2951, 0.3435

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.2338, 0.2739, 0.3715 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, 111, 94)` looks like.

```
.text, #text, p{  
    color:rgb(63, 111, 94)  
}
```

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, 111, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 111, 94) }
```

Border

The CSS property to change the border of an element to Yxy 13.2338, 0.2739, 0.3715 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, 111, 94) }
```

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

```
.border{ border-color:rgb(63, 111, 94) }
```

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

Here you see how a box with a 4 pixel `rgb(63, 111, 94)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 111, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 111, 94);  
box-shadow:4px 4px 4px 4px rgb(63, 111,  
94) }
```


Background

The CSS property to change the background color of an element to Yxy 13.2338, 0.2739, 0.3715 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 111, 94) }
```

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

```
.background{ background-color: rgb(63, 111,  
94) }
```

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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