

Converting Colors

$Yxy(13.4883, 0.3024, 0.3829)$

Have a look what the booklet for
Yxy(13.4883, 0.3024, 0.3829)
contains.

Yxy(13.3747, 0.3024, 0.3822)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(13.3747, 0.3024, 0.3822)

Conversions

Conversions Part 1

Format	Color
Hex	516D57
RGB	81, 109, 87
RGB Percent	32%, 43%, 34%
CMY	0.6823, 0.5725, 0.6589
CMYK	0.26, 0.00, 0.20, 0.57
HSL	133°, 15%, 37%
HSV	133°, 26%, 43%
XYZ	10.5822, 13.3747, 11.0371
YIQ	98.1200, -9.6260, -12.7780

Conversions

Conversions Part 2

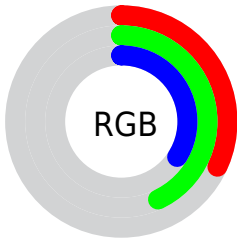
Format	Color
R_{YB}	81, 104, 109
Decimal	5336407
CIE Lab	43.32, -15.16, 9.03
CIE LCh	43, 17.647, 149.233
Yxy	13.3747, 0.3024, 0.3822
Android (android.graphics.Color)	4283526487 (0xFF516D57)
YUV	98.1200, -5.4822, -15.0142
Hunter-Lab	36.5714, -12.3499, 7.7065

Details

The Yxy color **13.3747, 0.3024, 0.3822** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **10.1172, 0.3251, 0.2811**, and the grayscale version is **12.2615, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.1212, 0.3053, 0.3683**, and **3.8620, 0.2947, 0.4095** is the 20% darker color. If you saturate the color by 10%, you get **12.7998, 0.2986, 0.4069**, and if you desaturate by 10%, it is **14.0447, 0.3064, 0.3597**.

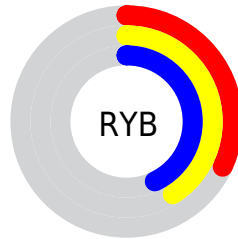
Distribution



Red (32%)

Green (43%)

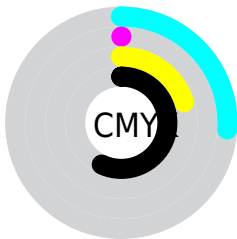
Blue (34%)



Red (32%)

Yellow (41%)

Blue (43%)

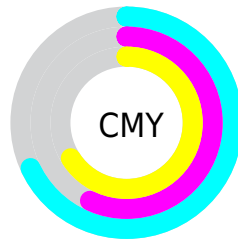


Cyan (26%)

Magenta (0%)

Yellow (20%)

Black (57%)



Cyan (68%)


Magenta (57%)

Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.3747, 0.3024, 0.3822 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 13.3747, 0.3024, 0.3822 by changing the saturation by 10% instead.


 13.3747, 0.3024,
0.3822


 13.3747, 0.3024,
0.3822


213.3053, 0.3091,
0.3493

 7.6871, 0.2998,
0.3939


 31.9753, 0.3054,
0.3681


 3.8954, 0.2957,
0.4121

 45.6571, 0.3063,
0.3635


 1.6152, 0.2877,
0.4442

 62.7724, 0.3070,
0.3599

 0.3678, 0.0000,
1.0000

 83.7056, 0.3076,
0.3570

 0.0000, 0.0000,
0.0000

 108.8411, 0.3080,
0.3545

138.5633, 0.3084,

0.3525

173.2566, 0.3088,
0.3508

■ 13.3747, 0.3024,
0.3822

■ 13.3747, 0.3024,
0.3822

■ 12.7998, 0.2986,
0.4069

■ 14.0447, 0.3064,
0.3597

■ 12.3140, 0.2952,
0.4336

■ 14.8121, 0.3104,
0.3395

■ 11.9134, 0.2925,
0.4614

■ 15.6812, 0.3144,
0.3215

■ 11.5928, 0.2906,
0.4895

■ 16.6556, 0.3183,
0.3058

■ 11.3468, 0.2898,
0.5167

■ 17.7386, 0.3220,
0.2919

■ 11.1691, 0.2902,
0.5414

■ 18.9335, 0.3254,
0.2799

■ 11.0471, 0.2915,
0.5625

■ 20.2434, 0.3287,
0.2694

■ 11.0007, 0.2918,
0.5706

■ 21.6713, 0.3317,
0.2602

■ 23.2200, 0.3345,
0.2522

Harmonies

Analogous

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



13.3747, 0.3396, 0.3961



13.3747, 0.3024, 0.3822



13.3747, 0.2693, 0.3511

Triad

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



13.3747, 0.3024, 0.3822



13.3747, 0.2560, 0.2701



13.3747, 0.3815, 0.3368

Complementary

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



13.3747, 0.3024, 0.3822



10.1172, 0.3251, 0.2811

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.



13.3747, 0.3564, 0.3070



13.3747, 0.3024, 0.3822



13.3747, 0.2831, 0.2697

Square

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



13.3747, 0.3024, 0.3822



13.3747, 0.2437, 0.2856



13.3747, 0.3198, 0.2830



13.3747, 0.3867, 0.3666

Rectangle

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



13.3747, 0.3024, 0.3822



13.3747, 0.2536, 0.3266



13.3747, 0.3198, 0.2830



13.3747, 0.3751, 0.3266

Sweetspot

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



13.3753, 0.3024, 0.3822



26.1564, 0.3094, 0.3444



14.4394, 0.3409, 0.3909



6.0471, 0.3089, 0.3468



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.



13.3753, 0.3024, 0.3822



23.2936, 0.3000, 0.3972



13.6192, 0.2865, 0.3487



3.4544, 0.3091, 0.3458



12.8630, 0.2922, 0.5718



65.4342, 0.2945, 0.5800

Inverse Universe

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



10.1172, 0.3251, 0.2811



16.3602, 0.3287, 0.2693



9.8655, 0.3481, 0.3103



3.1534, 0.3165, 0.3128



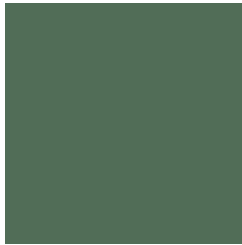
4.5799, 0.3808, 0.1871



23.2062, 0.3849, 0.1894

Previews

White Background



This preview shows how the Yxy color 13.3747, 0.3024, 0.3822 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 13.3747, 0.3024, 0.3822 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

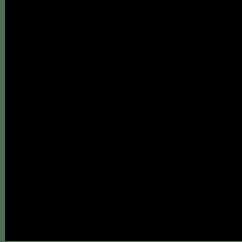
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.3747, 0.3024, 0.3822

Background



This preview shows how black text looks on a background with the Yxy color 13.3747, 0.3024, 0.3822.



This preview shows how white text looks on a background with the Yxy color 13.3747, 0.3024, 0.3822.

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

13.3747, 0.3024, 0.3822

Protanopia

13.3154, 0.3480, 0.3708

Deuteranopia

13.2385, 0.3551, 0.3480



Tritanopia

13.2965, 0.2768, 0.3086

Trichromacy



Original Color

13.3747, 0.3024, 0.3822

Protanomaly

13.3399, 0.3304, 0.3771

Deuteranomaly

13.1504, 0.3349, 0.3603

Tritanomaly

13.1924, 0.2860, 0.3336

Monochromacy



Original Color

13.3747, 0.3024, 0.3822

Achromatopsia

12.2139, 0.3127, 0.3290

Achromatomaly

12.5862, 0.3090, 0.3477

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.3747, 0.3024, 0.3822 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(81, 109, 87)` looks like.

```
.text, #text, p{  
    color:rgb(81, 109, 87)  
}
```

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(81, 109, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 109, 87) }
```

Border

The CSS property to change the border of an element to Yxy 13.3747, 0.3024, 0.3822 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(81, 109, 87) }
```

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

```
.border{ border-color:rgb(81, 109, 87) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 109, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 109, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 109, 87);  
box-shadow:4px 4px 4px 4px rgb(81, 109,  
87) }
```


Background

The CSS property to change the background color of an element to Yxy 13.3747, 0.3024, 0.3822 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 109, 87) }
```

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

```
.background{ background-color: rgb(81, 109,  
87) }
```

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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