

# Converting Colors

$Y_{xy}(24.1054, 0.3049, 0.3715)$

Have a look what the booklet for  
Yxy(24.1054, 0.3049, 0.3715)  
contains.

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# Color

**Yxy(24.1886, 0.3044, 0.3717)**

# Conversions

## Conversions Part 1

Format	Color
Hex	718E77
RGB	113, 142, 119
RGB Percent	44%, 56%, 47%
CMY	0.5570, 0.4431, 0.5333
CMYK	0.20, 0.00, 0.16, 0.44
HSL	132°, 11%, 50%
HSV	132°, 20%, 56%
XYZ	19.8090, 24.1886, 21.0780
YIQ	130.7070, -9.9010, -13.3010

# Conversions

## Conversions Part 2

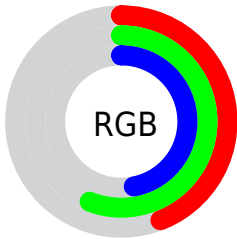
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	113, 137, 142
Decimal	7442039
CIE Lab	56.28, -15.09, 8.92
CIE LCh	56, 17.528, 149.418
Yxy	24.1886, 0.3044, 0.3717
Android (android.graphics.Color)	4285632119 (0xFF718E77)
YUV	130.7070, -5.7716, -15.5290
Hunter-Lab	49.1819, -14.1738, 9.0173

# Details

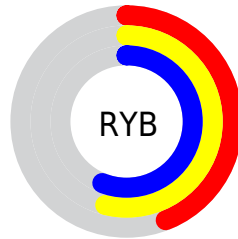
The Yxy color  $24.1886, 0.3044, 0.3717$  is a dark color, and the websafe version is hex  $669999$ . A complement of this color would be  $19.3300, 0.3223, 0.2898$ , and the grayscale version is  $22.6086, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $50.4195, 0.3064, 0.3626$ , and  $9.1992, 0.2994, 0.3891$  is the 20% darker color. If you saturate the color by 10%, you get  $23.0662, 0.3005, 0.3963$ , and if you desaturate by 10%, it is  $25.4924, 0.3085, 0.3495$ .

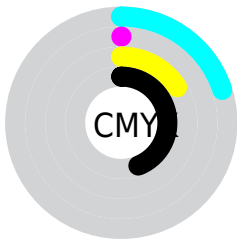
# Distribution



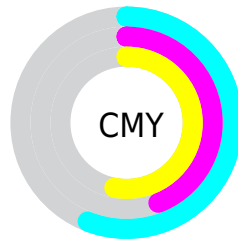
- Red (44%)
- Green (56%)
- Blue (47%)



- Red (44%)
- Yellow (54%)
- Blue (56%)



- Cyan (20%)
- Magenta (0%)
- Yellow (16%)
- Black (44%)




- Cyan (56%)
- Magenta (44%)
- Yellow (53%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 24.1886, 0.3044, 0.3717 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 24.1886, 0.3044, 0.3717 by changing the saturation by 10% instead.




 24.1886, 0.3044,  
0.3717


 24.1886, 0.3044,  
0.3717


273.7726, 0.3093,  
0.3474


 15.4736, 0.3028,  
0.3790


 50.3378, 0.3064,  
0.3620

 9.1524, 0.3006,  
0.3893


 68.5408, 0.3071,  
0.3587

 4.8407, 0.2970,  
0.4049

 90.6752, 0.3076,  
0.3559

 2.1541, 0.2905,  
0.4313

 117.1254, 0.3081,  
0.3537

 0.6948, 0.2608,  
0.6204

148.2759, 0.3085,  
0.3517

 0.0000, 0.0000,  
0.0000

184.5110, 0.3088,

0.3501

226.2151, 0.3091,  
0.3487

■ 24.1886, 0.3044,  
0.3717

■ 24.1886, 0.3044,  
0.3717

■ 23.0662, 0.3005,  
0.3963

■ 25.4924, 0.3085,  
0.3495

■ 22.1141, 0.2968,  
0.4231

■ 26.9821, 0.3125,  
0.3298

■ 21.3250, 0.2938,  
0.4515

■ 28.6656, 0.3165,  
0.3125

■ 20.6894, 0.2915,  
0.4806

■ 30.5496, 0.3203,  
0.2974

■ 20.1971, 0.2903,  
0.5091


■ 32.6404, 0.3238,  
0.2842


 19.8366, 0.2903,  
0.5355


 34.9441, 0.3272,  
0.2727

 19.5944, 0.2916,  
0.5582

 37.4666, 0.3303,  
0.2628

 19.4409, 0.2932,  
0.5757

 40.2133, 0.3332,  
0.2541

 43.1897, 0.3359,  
0.2466

# Harmonies

## Analogous

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



24.1886, 0.3349, 0.3832



24.1886, 0.3044, 0.3717



24.1886, 0.2771, 0.3469

# Triad

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



24.1886, 0.3044, 0.3717



24.1886, 0.2662, 0.2805



24.1886, 0.3687, 0.3361

# Complementary

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



24.1886, 0.3044, 0.3717



19.3300, 0.3223, 0.2898

# 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.



24.1886, 0.3485, 0.3112



24.1886, 0.3044, 0.3717



24.1886, 0.2888, 0.2800

# Square

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



24.1886, 0.3044, 0.3717



24.1886, 0.2558, 0.2937



24.1886, 0.3189, 0.2911



24.1886, 0.3729, 0.3605



# Rectangle

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



24.1886, 0.3044, 0.3717



24.1886, 0.2641, 0.3272



24.1886, 0.3189, 0.2911



24.1886, 0.3636, 0.3275

# Sweetspot

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



24.1896, 0.3044, 0.3717



46.0421, 0.3102, 0.3407



25.7921, 0.3358, 0.3792



10.2519, 0.3100, 0.3418



71.0566, 0.3127, 0.3290



10.6539, 0.3127, 0.3290



# Same Dimension

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



24.1896, 0.3044, 0.3717



41.6071, 0.3024, 0.3839



24.5593, 0.2910, 0.3447



6.0466, 0.3090, 0.3469



17.4542, 0.2931, 0.5750



0.1696, 0.2740, 0.5063



# Inverse Universe

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



19.3300, 0.3223, 0.2898



31.2901, 0.3251, 0.2798



18.9504, 0.3403, 0.3138



5.4921, 0.3167, 0.3117



6.2258, 0.3799, 0.1867



0.0626, 0.3477, 0.1689



# Previews

## White Background



This preview shows how the Yxy color 24.1886, 0.3044, 0.3717 looks on a white 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



# Black Background



This preview shows how the Yxy color 24.1886, 0.3044, 0.3717 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

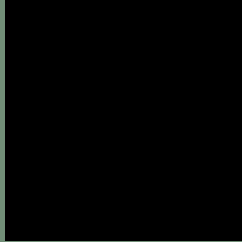
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

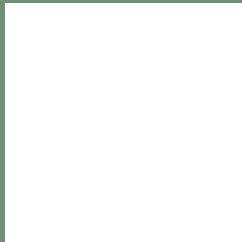
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 24.1886, 0.3044, 0.3717**

## **Background**



This preview shows how black text looks on a background with the Yxy color 24.1886, 0.3044, 0.3717.



This preview shows how white text looks on a background with the Yxy color 24.1886, 0.3044, 0.3717.

# 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

24.1886, 0.3044, 0.3717

### Protanopia

23.9507, 0.3414, 0.3618

### Deuteranopia

24.0458, 0.3479, 0.3423



## Tritanopia

24.1984, 0.2814, 0.3097

# Trichromacy



## Original Color

24.1886, 0.3044, 0.3717

## Protanomaly

23.9776, 0.3278, 0.3663

## Deuteranomaly

23.8339, 0.3312, 0.3515

## Tritanomaly

24.0132, 0.2895, 0.3307

# Monochromacy



## Original Color

24.1886, 0.3044, 0.3717

## Achromatopsia

22.6966, 0.3127, 0.3290

## Achromatomaly

23.1453, 0.3087, 0.3434

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 24.1886, 0.3044, 0.3717 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(113, 142, 119)` looks like.

```
.text, #text, p{  
    color:rgb(113, 142, 119)  
}
```

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(113, 142, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 142, 119) }
```

## Border

The CSS property to change the border of an element to Yxy 24.1886, 0.3044, 0.3717 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(113, 142, 119) }
```

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

```
.border{ border-color:rgb(113, 142, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 142, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 142, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 142, 119);  
box-shadow:4px 4px 4px 4px rgb(113, 142,  
119) }
```



# Background

The CSS property to change the background color of an element to Yxy 24.1886, 0.3044, 0.3717 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 142, 119) }
```

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

```
.background{ background-color: rgb(113,  
142, 119) }
```

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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