

Converting Colors

$Y_{xy}(24.7741, 0.3235, 0.3705)$

Have a look what the booklet for
Yxy(24.7741, 0.3235, 0.3705)
contains.

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Color

Yxy(24.7076, 0.3239, 0.3698)

Conversions

Conversions Part 1

Format	Color
Hex	818C75
RGB	129, 140, 117
RGB Percent	51%, 55%, 46%
CMY	0.4942, 0.4510, 0.5411
CMYK	0.08, 0.00, 0.16, 0.45
HSL	89°, 9%, 50%
HSV	89°, 16%, 55%
XYZ	21.6409, 24.7076, 20.4649
YIQ	134.0890, 0.8270, -9.4850

Conversions

Conversions Part 2

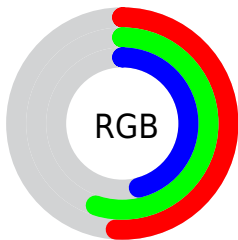
Format	Color
R_{YB}	117, 140, 128
Decimal	8490101
CIE _{Lab}	56.79, -8.43, 10.94
CIE _{LCh}	57, 13.809, 127.635
Yxy	24.7076, 0.3239, 0.3698
Android (android.graphics.Color)	4286680181 (0xFF818C75)
YUV	134.0890, -8.4249, -4.4631
Hunter-Lab	49.7067, -9.2731, 10.3842

Details

The Yxy color $24.7076, 0.3239, 0.3698$ is a dark color, and the websafe version is hex 999999 . A complement of this color would be $19.2149, 0.3000, 0.2881$, and the grayscale version is $23.9058, 0.3127, 0.3290$.

A 20% lighter version of the original color is $51.3932, 0.3217, 0.3615$, and $9.4475, 0.3279, 0.3854$ is the 20% darker color. If you saturate the color by 10%, you get $23.8947, 0.3305, 0.3970$, and if you desaturate by 10%, it is $25.6065, 0.3171, 0.3443$.

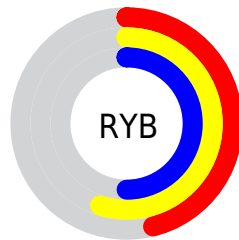
Distribution



Red (51%)

Green (55%)

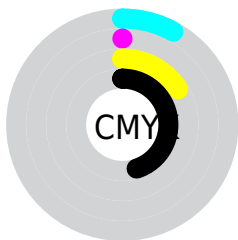
Blue (46%)



Red (46%)

Yellow (55%)

Blue (50%)

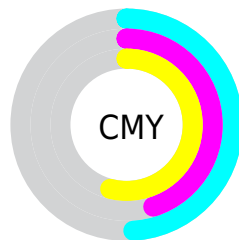


Cyan (8%)

Magenta (0%)

Yellow (16%)

Black (45%)



Cyan (49%)


Magenta (45%)


Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.7076, 0.3239, 0.3698 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 24.7076, 0.3239, 0.3698 by changing the saturation by 10% instead.


 24.7076, 0.3239,
0.3698


 24.7076, 0.3239,
0.3698


276.3786, 0.3179,
0.3469

 15.8593, 0.3255,
0.3766


 51.1825, 0.3216,
0.3607

 9.4247, 0.3276,
0.3861


 69.5779, 0.3208,
0.3576

 5.0192, 0.3305,
0.4002

 91.9244, 0.3201,
0.3550

 2.2585, 0.3346,
0.4234

118.6066, 0.3196,
0.3528

 0.7516, 0.3870,
0.5720

150.0087, 0.3191,
0.3510

 0.0000, 0.0000,
0.0000

186.5151, 0.3186,

0.3494

228.5103, 0.3183,
0.3480

■ 24.7076, 0.3239,
0.3698

■ 24.7076, 0.3239,
0.3698

■ 23.8947, 0.3305,
0.3970

■ 25.6065, 0.3171,
0.3443

■ 23.1617, 0.3366,
0.4254

■ 26.5909, 0.3103,
0.3208

■ 22.5068, 0.3418,
0.4542

■ 27.6644, 0.3037,
0.2994

■ 21.9265, 0.3456,
0.4823

■ 28.8294, 0.2973,
0.2801

■ 21.4175, 0.3479,
0.5084

■ 30.0882, 0.2913,
0.2627

■ 20.9759, 0.3481,
0.5313

■ 31.4432, 0.2857,
0.2472

■ 20.5972, 0.3461,
0.5496

■ 32.8965, 0.2805,
0.2333

■ 20.2747, 0.3423,
0.5630

■ 34.4501, 0.2756,
0.2209

■ 20.1681, 0.3409,
0.5675

■ 36.1061, 0.2711,
0.2098

Harmonies

Analogous

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



24.7076, 0.3454, 0.3698



24.7076, 0.3239, 0.3698



24.7076, 0.3000, 0.3576

Triad

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



24.7076, 0.3239, 0.3698



24.7076, 0.2689, 0.2976



24.7076, 0.3460, 0.3203

Complementary

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



24.7076, 0.3239, 0.3698



19.2149, 0.3000, 0.2881

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.



24.7076, 0.3244, 0.3028



24.7076, 0.3239, 0.3698



24.7076, 0.2802, 0.2896

Square

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



24.7076, 0.3239, 0.3698



24.7076, 0.2689, 0.3147



24.7076, 0.3002, 0.2917



24.7076, 0.3586, 0.3405

Rectangle

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



24.7076, 0.3239, 0.3698



24.7076, 0.2859, 0.3443



24.7076, 0.3002, 0.2917



24.7076, 0.3395, 0.3140

Sweetspot

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



24.7087, 0.3239, 0.3698



45.3592, 0.3162, 0.3411



22.2340, 0.3397, 0.3478



10.4279, 0.3166, 0.3426



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.



24.7087, 0.3239, 0.3698



42.9656, 0.3266, 0.3805



23.8800, 0.3116, 0.3714



5.7278, 0.3190, 0.3511



17.9301, 0.3412, 0.5673



0.1278, 0.3746, 0.5407

Inverse Universe

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



19.2149, 0.3000, 0.2881



31.2440, 0.2964, 0.2774



20.1315, 0.3136, 0.2898



5.0023, 0.3060, 0.3069



2.7598, 0.2011, 0.0882



0.0270, 0.2502, 0.1152

Previews

White Background



This preview shows how the Yxy color 24.7076, 0.3239, 0.3698 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 24.7076, 0.3239, 0.3698 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

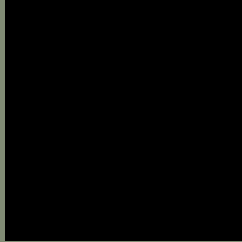
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.7076, 0.3239, 0.3698

Background



This preview shows how black text looks on a background with the Yxy color 24.7076, 0.3239, 0.3698.



This preview shows how white text looks on a background with the Yxy color 24.7076, 0.3239, 0.3698.

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

24.7076, 0.3239, 0.3698

Protanopia

24.6858, 0.3432, 0.3648

Deuteranopia

24.5331, 0.3548, 0.3486



Tritanopia

24.7014, 0.2984, 0.3105

Trichromacy



Original Color

24.7076, 0.3239, 0.3698

Protanomaly

24.5555, 0.3360, 0.3654

Deuteranomaly

24.4692, 0.3441, 0.3560

Tritanomaly

24.5744, 0.3082, 0.3307

Monochromacy



Original Color

24.7076, 0.3239, 0.3698

Achromatopsia

23.8398, 0.3127, 0.3290

Achromatomaly

24.0724, 0.3165, 0.3430

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.7076, 0.3239, 0.3698 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(129, 140, 117)` looks like.

```
.text, #text, p{  
    color:rgb(129, 140, 117)  
}
```

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(129, 140, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 140, 117) }
```

Border

The CSS property to change the border of an element to Yxy 24.7076, 0.3239, 0.3698 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(129, 140, 117) }
```

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

```
.border{ border-color:rgb(129, 140, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 140, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 140, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 140, 117);  
box-shadow:4px 4px 4px 4px rgb(129, 140,  
117) }
```


Background

The CSS property to change the background color of an element to Yxy 24.7076, 0.3239, 0.3698 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 140, 117) }
```

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

```
.background{ background-color: rgb(129,  
140, 117) }
```

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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