

Converting Colors

$Yxy(33.4056, 0.2772, 0.3786)$

Have a look what the booklet for
Yxy(33.4056, 0.2772, 0.3786)
contains.

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Color

Yxy(33.3819, 0.2772, 0.3786)

Conversions

Conversions Part 1

Format	Color
Hex	64AA8D
RGB	100, 170, 141
RGB Percent	39%, 67%, 55%
CMY	0.6076, 0.3333, 0.4471
CMYK	0.41, 0.00, 0.17, 0.33
HSL	155°, 29%, 53%
HSV	155°, 41%, 67%
XYZ	24.4413, 33.3819, 30.3488
YIQ	145.7640, -32.4110, -23.8590

Conversions

Conversions Part 2

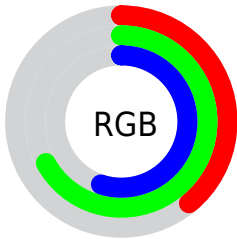
Format	Color
RYB	100, 144, 170
Decimal	6597261
CIELab	64.47, -28.89, 8.10
CIELCh	64, 30.007, 164.349
Yxy	33.3819, 0.2772, 0.3786
Android (android.graphics.Color)	4284787341 (0xFF64AA8D)
YUV	145.7640, -2.3487, -40.1350
Hunter-Lab	57.7771, -25.5995, 9.3005

Details

The Yxy color **33.3819, 0.2772, 0.3786** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **19.2567, 0.3717, 0.2851**, and the grayscale version is **28.6676, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.2029, 0.2844, 0.3681**, and **14.0822, 0.2645, 0.3953** is the 20% darker color. If you saturate the color by 10%, you get **32.3091, 0.2708, 0.3933**, and if you desaturate by 10%, it is **34.6731, 0.2848, 0.3648**.

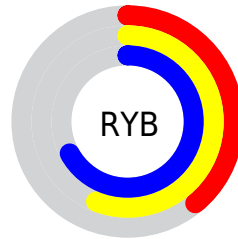
Distribution



Red (39%)

Green (67%)

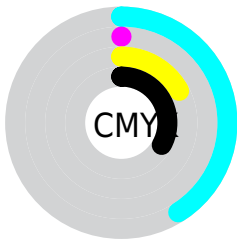
Blue (55%)



Red (39%)

Yellow (56%)

Blue (67%)

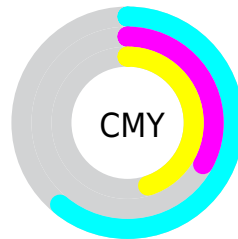


Cyan (41%)

Magenta (0%)

Yellow (17%)

Black (33%)



Cyan (61%)


Magenta (33%)


Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.3819, 0.2772, 0.3786 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 33.3819, 0.2772, 0.3786 by changing the saturation by 10% instead.


 33.3819, 0.2772,
0.3786


 33.3819, 0.2772,
0.3786


317.3671, 0.2963,
0.3516


 22.4192, 0.2719,
0.3862


 64.9713, 0.2845,
0.3682

 14.1652, 0.2649,
0.3964


 86.3668, 0.2871,
0.3645

 8.2357, 0.2548,
0.4112


 112.0086, 0.2893,
0.3614

 4.2461, 0.2396,
0.4340

 142.2812, 0.2911,
0.3588

 1.8122, 0.2137,
0.4739

177.5690, 0.2927,
0.3566

 0.4947, 0.0000,
1.0000

218.2563, 0.2941,

 0.0000, 0.0000,

0.3547

0.0000

264.7275, 0.2953,
0.3531

■ 33.3819, 0.2772,
0.3786

■ 33.3819, 0.2772,
0.3786

■ 32.3091, 0.2708,
0.3933

■ 34.6731, 0.2848,
0.3648

■ 31.4377, 0.2658,
0.4087

■ 36.1904, 0.2932,
0.3521

■ 30.7546, 0.2627,
0.4246


■ 37.9461, 0.3023,
0.3406

■ 30.2436, 0.2614,
0.4406


■ 39.9504, 0.3116,
0.3301


■ 29.8853, 0.2621,
0.4565


■ 42.2130, 0.3211,
0.3208

 29.6585, 0.2639,
0.4702

 44.7429, 0.3305,
0.3125

 47.5488, 0.3398,
0.3052

 50.6389, 0.3488,
0.2988

 54.0211, 0.3574,
0.2932

Harmonies

Analogous

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



33.3819, 0.3223, 0.4088



33.3819, 0.2772, 0.3786



33.3819, 0.2433, 0.3328

Triad

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



33.3819, 0.2772, 0.3786



33.3819, 0.2571, 0.2538



33.3819, 0.4059, 0.3566

Complementary

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



33.3819, 0.2772, 0.3786



19.2567, 0.3717, 0.2851

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.



33.3819, 0.3862, 0.3192



33.3819, 0.2772, 0.3786



33.3819, 0.2975, 0.2625

Square

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



33.3819, 0.2772, 0.3786



33.3819, 0.2326, 0.2627



33.3819, 0.3453, 0.2858



33.3819, 0.3980, 0.3908

Rectangle

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



33.3819, 0.2772, 0.3786



33.3819, 0.2307, 0.3031



33.3819, 0.3453, 0.2858



33.3819, 0.4023, 0.3441

Sweetspot

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



33.3833, 0.2772, 0.3786



68.4889, 0.3013, 0.3417



34.3518, 0.3326, 0.4435



15.1802, 0.3001, 0.3432



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



33.3833, 0.2772, 0.3786



58.8480, 0.2715, 0.3914



32.2256, 0.2558, 0.3193



8.4786, 0.3040, 0.3385



21.8294, 0.2635, 0.4685



0.5409, 0.2492, 0.4169

Inverse Universe

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



19.2567, 0.3717, 0.2851



29.8248, 0.3907, 0.2762



19.7504, 0.4114, 0.3383



7.5920, 0.3223, 0.3197



6.6272, 0.5276, 0.2680



0.1715, 0.4441, 0.2220

Previews

White Background



This preview shows how the Yxy color 33.3819, 0.2772, 0.3786 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 33.3819, 0.2772, 0.3786 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 ✓ Pass

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

Yxy 33.3819, 0.2772, 0.3786

Background



This preview shows how black text looks on a background with the Yxy color 33.3819, 0.2772, 0.3786.



This preview shows how white text looks on a background with the Yxy color 33.3819, 0.2772, 0.3786.

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

33.3819, 0.2772, 0.3786

Protanopia

32.9227, 0.3417, 0.3622

Deuteranopia

32.8557, 0.3426, 0.3363



Tritanopia

33.3758, 0.2567, 0.3083

Trichromacy



Original Color

33.3819, 0.2772, 0.3786

Protanomaly

32.4946, 0.3147, 0.3675

Deuteranomaly

32.3306, 0.3147, 0.3493

Tritanomaly

33.4182, 0.2639, 0.3321

Monochromacy



Original Color

33.3819, 0.2772, 0.3786

Achromatopsia

28.7441, 0.3127, 0.3290

Achromatomaly

30.1234, 0.2974, 0.3472

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.3819, 0.2772, 0.3786 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(100, 170, 141)` looks like.

```
.text, #text, p{  
    color:rgb(100, 170, 141)  
}
```

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(100, 170, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 170, 141) }
```

Border

The CSS property to change the border of an element to Yxy 33.3819, 0.2772, 0.3786 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(100, 170, 141) }
```

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

```
.border{ border-color:rgb(100, 170, 141) }
```

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

Here you see how a box with a 4 pixel rgb(100, 170, 141) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 170, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 170, 141);  
box-shadow:4px 4px 4px 4px rgb(100, 170,  
141) }
```


Background

The CSS property to change the background color of an element to Yxy 33.3819, 0.2772, 0.3786 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 170, 141) }
```

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

```
.background{ background-color: rgb(100,  
170, 141) }
```

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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