

Converting Colors

$Yxy(33.2373, 0.2774, 0.4386)$

Have a look what the booklet for
Yxy(33.2373, 0.2774, 0.4386)
contains.

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Color

Yxy(33.2373, 0.2774, 0.4386)

Conversions

Conversions Part 1

Format	Color
Hex	47AF73
RGB	71, 175, 115
RGB Percent	28%, 69%, 45%
CMY	0.7216, 0.3137, 0.5491
CMYK	0.59, 0.00, 0.34, 0.31
HSL	145°, 42%, 48%
HSV	145°, 59%, 69%
XYZ	21.0215, 33.2373, 21.5216
YIQ	137.0640, -42.7240, -40.7080

Conversions

Conversions Part 2

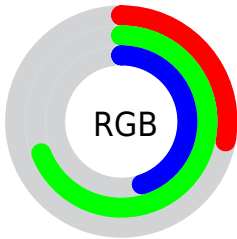
Format	Color
RYB	71, 144, 175
Decimal	4697971
CIELab	64.35, -43.97, 22.04
CIELCh	64, 49.186, 153.383
Yxy	33.2373, 0.2774, 0.4386
Android (android.graphics.Color)	4282888051 (0xFF47AF73)
YUV	137.0640, -10.8776, -57.9381
Hunter-Lab	57.6518, -35.8044, 18.2231

Details

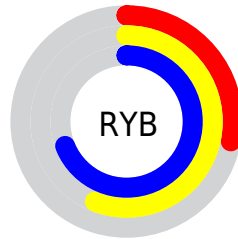
The Yxy color **33.2373, 0.2774, 0.4386** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **15.2588, 0.3848, 0.2444**, and the grayscale version is **25.0947, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.5310, 0.2856, 0.4146**, and **14.0681, 0.2665, 0.4794** is the 20% darker color. If you saturate the color by 10%, you get **32.4498, 0.2751, 0.4610**, and if you desaturate by 10%, it is **34.2435, 0.2812, 0.4167**.

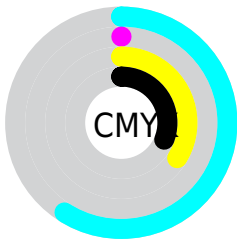
Distribution



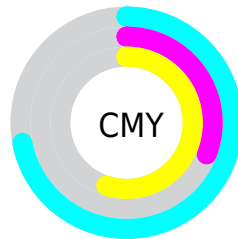
- Red (28%)
- Green (69%)
- Blue (45%)



- Red (28%)
- Yellow (56%)
- Blue (69%)



- Cyan (59%)
- Magenta (0%)
- Yellow (34%)
- Black (31%)




- Cyan (72%)
- Magenta (31%)
- Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.2373, 0.2774, 0.4386 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 33.2373, 0.2774, 0.4386 by changing the saturation by 10% instead.


 33.2373, 0.2774,
0.4386

 33.2373, 0.2774,
0.4386


316.7177, 0.2979,
0.3772

 22.3083, 0.2712,
0.4565


 64.7458, 0.2856,
0.4145

 14.0836, 0.2624,
0.4811


 86.0942, 0.2885,
0.4060

 8.1788, 0.2491,
0.5170


 111.6844, 0.2908,
0.3990

 4.2096, 0.2274,
0.5735

 141.9009, 0.2927,
0.3932

 1.7915, 0.1807,
0.7410

 177.1281, 0.2943,
0.3883

 0.4819, 0.0000,
1.0000

217.7503, 0.2956,

 0.0000, 0.0000,

0.3840

0.0000

264.1521, 0.2968,
0.3804

■ 33.2373, 0.2774,
0.4386

■ 33.2373, 0.2774,
0.4386

■ 32.4498, 0.2751,
0.4610

■ 34.2435, 0.2812,
0.4167

■ 31.8592, 0.2747,
0.4831

■ 35.4800, 0.2863,
0.3959

■ 31.4463, 0.2761,
0.5043

■ 36.9623, 0.2923,
0.3764

■ 31.1708, 0.2790,
0.5239

■ 38.7033, 0.2990,
0.3587

■ 31.1567, 0.2792,
0.5250

■ 40.7152, 0.3060,
0.3426

■ 43.0091, 0.3131,
0.3282

■ 45.5958, 0.3202,
0.3155

■ 48.4852, 0.3272,
0.3043

■ 51.6870, 0.3340,
0.2945

Harmonies

Analogous

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



33.2373, 0.3506, 0.4709



33.2373, 0.2774, 0.4386



33.2373, 0.2177, 0.3624

Triad

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



33.2373, 0.2774, 0.4386



33.2373, 0.2082, 0.2137



33.2373, 0.4591, 0.3451

Complementary

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



33.2373, 0.2774, 0.4386



15.2588, 0.3848, 0.2444

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.



33.2373, 0.4117, 0.2910



33.2373, 0.2774, 0.4386



33.2373, 0.2610, 0.2191

Square

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



33.2373, 0.2774, 0.4386



33.2373, 0.1828, 0.2342



33.2373, 0.3354, 0.2466



33.2373, 0.4593, 0.4016

Rectangle

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



33.2373, 0.2774, 0.4386



33.2373, 0.1928, 0.3084



33.2373, 0.3354, 0.2466



33.2373, 0.4481, 0.3265

Sweetspot

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



33.2387, 0.2774, 0.4386



69.6921, 0.2997, 0.3568



35.9954, 0.3530, 0.4900



15.2771, 0.2978, 0.3616



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



33.2387, 0.2774, 0.4386



57.7830, 0.2748, 0.4672



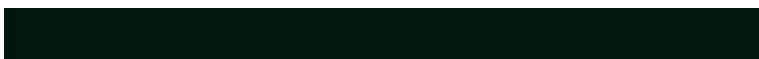
34.7668, 0.2454, 0.3434



8.9935, 0.3061, 0.3424



22.3226, 0.2786, 0.5229



0.6321, 0.2613, 0.4605

Inverse Universe

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



15.2588, 0.3848, 0.2444



22.6938, 0.4085, 0.2327



14.1939, 0.4780, 0.3175



8.0899, 0.3200, 0.3160



7.2119, 0.4607, 0.2312



0.2113, 0.4081, 0.2022

Previews

White Background



This preview shows how the Yxy color 33.2373, 0.2774, 0.4386 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 33.2373, 0.2774, 0.4386 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 33.2373, 0.2774, 0.4386

Background



This preview shows how black text looks on a background with the Yxy color 33.2373, 0.2774, 0.4386.



This preview shows how white text looks on a background with the Yxy color 33.2373, 0.2774, 0.4386.

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

33.2373, 0.2774, 0.4386

Protanopia

32.8081, 0.3732, 0.4019

Deuteranopia

32.6991, 0.3753, 0.3691



Tritanopia

33.1569, 0.2448, 0.3078

Trichromacy



Original Color

33.2373, 0.2774, 0.4386



Protanomaly

31.9313, 0.3311, 0.4170



Deuteranomaly

31.4483, 0.3313, 0.3925



Tritanomaly

33.0346, 0.2567, 0.3528

Monochromacy



Original Color

33.2373, 0.2774, 0.4386



Achromatopsia

25.0158, 0.3127, 0.3290



Achromatomaly

27.2289, 0.2954, 0.3682

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.2373, 0.2774, 0.4386 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(71, 175, 115)` looks like.

```
.text, #text, p{  
  color:rgb(71, 175, 115)  
}
```

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(71, 175, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 175, 115) }
```

Border

The CSS property to change the border of an element to Yxy 33.2373, 0.2774, 0.4386 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(71, 175, 115) }
```

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

```
.border{ border-color:rgb(71, 175, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(71, 175, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 175, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 175, 115);  
box-shadow:4px 4px 4px 4px rgb(71, 175,  
115) }
```


Background

The CSS property to change the background color of an element to Yxy 33.2373, 0.2774, 0.4386 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 175, 115) }
```

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

```
.background{ background-color: rgb(71, 175,  
115) }
```

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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