

Converting Colors

$Yxy(37.7005, 0.3070, 0.4001)$

Have a look what the booklet for
Yxy(37.7005, 0.3070, 0.4001)
contains.

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Color

Yxy(37.7774, 0.3069, 0.4005)

Conversions

Conversions Part 1

Format	Color
Hex	81B184
RGB	129, 177, 132
RGB Percent	51%, 69%, 52%
CMY	0.4938, 0.3059, 0.4823
CMYK	0.27, 0.00, 0.25, 0.31
HSL	124°, 23%, 60%
HSV	124°, 27%, 69%
XYZ	28.9485, 37.7774, 27.5997
YIQ	157.5180, -14.1630, -24.1710

Conversions

Conversions Part 2

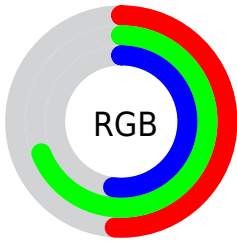
Format	Color
RYB	129, 174, 177
Decimal	8499588
CIELab	67.86, -25.04, 18.01
CIElCh	68, 30.843, 144.283
Yxy	37.7774, 0.3069, 0.4005
Android (android.graphics.Color)	4286689668 (0xFF81B184)
YUV	157.5180, -12.5804, -25.0103
Hunter-Lab	61.4633, -23.4893, 16.4006

Details

The Yxy color **37.7774, 0.3069, 0.4005** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **28.1223, 0.3189, 0.2666**, and the grayscale version is **34.0323, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.8479, 0.3087, 0.3863**, and **16.6442, 0.3038, 0.4258** is the 20% darker color. If you saturate the color by 10%, you get **36.0908, 0.3047, 0.4322**, and if you desaturate by 10%, it is **39.7797, 0.3091, 0.3714**.

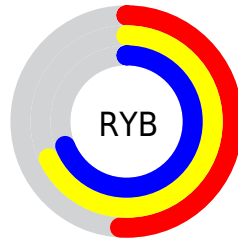
Distribution



Red (51%)

Green (69%)

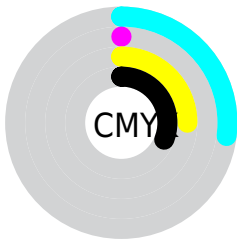
Blue (52%)



Red (51%)

Yellow (68%)

Blue (69%)

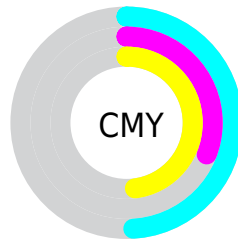


Cyan (27%)

Magenta (0%)

Yellow (25%)

Black (31%)



Cyan (49%)

Magenta (31%)

Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.7774, 0.3069, 0.4005 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 37.7774, 0.3069, 0.4005 by changing the saturation by 10% instead.


 37.7774, 0.3069,
0.4005


 37.7774, 0.3069,
0.4005

336.6641, 0.3107,
0.3620

 25.8100, 0.3056,
0.4111


 71.7668, 0.3085,
0.3858

 16.6815, 0.3037,
0.4253


 94.5576, 0.3091,
0.3805

 10.0077, 0.3006,
0.4454


 121.7250, 0.3095,
0.3761

 5.4041, 0.2952,
0.4757

153.6533, 0.3098,
0.3724

 2.4862, 0.2844,
0.5264

190.7270, 0.3101,
0.3692

 0.8697, 0.1985,
0.8015

233.3304, 0.3103,

 0.0000, 0.0000,


0.3665

0.0000

281.8480, 0.3105,
0.3641


 37.7774, 0.3069,
0.4005


 37.7774, 0.3069,
0.4005

 36.0908, 0.3047,
0.4322

 39.7797, 0.3091,
0.3714

 34.6993, 0.3026,
0.4657


 42.1077, 0.3113,
0.3455


 33.5874, 0.3008,
0.4994

 44.7766, 0.3133,
0.3226

 32.7362, 0.2994,
0.5312

 47.7994, 0.3152,
0.3028

 32.1243, 0.2987,
0.5588

 51.1884, 0.3169,
0.2857

■ 31.7270, 0.2986,
0.5798

■ 54.9553, 0.3184,
0.2709

■ 31.5102, 0.2989,
0.5933

■ 59.1113, 0.3198,
0.2582

■ 31.4641, 0.2989,
0.5959

■ 59.9202, 0.3163,
0.2527

Harmonies

Analogous

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



37.7774, 0.3524, 0.4127



37.7774, 0.3069, 0.4005



37.7774, 0.2649, 0.3637

Triad

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



37.7774, 0.3069, 0.4005



37.7774, 0.2396, 0.2587



37.7774, 0.3945, 0.3315

Complementary

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



37.7774, 0.3069, 0.4005



28.1223, 0.3189, 0.2666

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.



37.7774, 0.3598, 0.2964



37.7774, 0.3069, 0.4005



37.7774, 0.2696, 0.2558

Square

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



37.7774, 0.3069, 0.4005



37.7774, 0.2282, 0.2798



37.7774, 0.3132, 0.2695



37.7774, 0.4050, 0.3683

Rectangle

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



37.7774, 0.3069, 0.4005



37.7774, 0.2443, 0.3329



37.7774, 0.3132, 0.2695



37.7774, 0.3851, 0.3193

Sweetspot

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



37.7790, 0.3069, 0.4005



74.9523, 0.3110, 0.3481



42.0940, 0.3506, 0.3959



16.1034, 0.3107, 0.3518



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.



37.7790, 0.3069, 0.4005



65.9477, 0.3057, 0.4176



38.4936, 0.2893, 0.3623



9.4983, 0.3108, 0.3510



22.8031, 0.2987, 0.5952



0.7203, 0.2931, 0.5753

Inverse Universe

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



28.1223, 0.3189, 0.2666



45.9731, 0.3203, 0.2540



27.2870, 0.3445, 0.2980



8.6375, 0.3147, 0.3079



8.7738, 0.3367, 0.1628



0.2788, 0.3319, 0.1602

Previews

White Background



This preview shows how the Yxy color 37.7774, 0.3069, 0.4005 looks on a white background.

Color Contrast Check

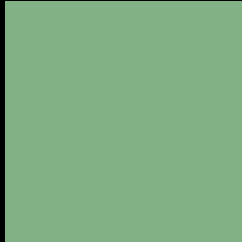
Large Text (above 18pt) WCAG AA × Fail

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 37.7774, 0.3069, 0.4005 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

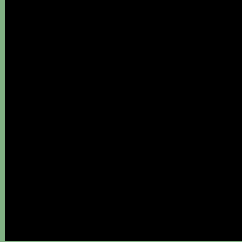
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.7774, 0.3069, 0.4005

Background



This preview shows how black text looks on a background with the Yxy color 37.7774, 0.3069, 0.4005.



This preview shows how white text looks on a background with the Yxy color 37.7774, 0.3069, 0.4005.

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

37.7774, 0.3069, 0.4005

Protanopia

37.6467, 0.3587, 0.3844

Deuteranopia

37.3077, 0.3671, 0.3589



Tritanopia

37.6134, 0.2747, 0.3084

Trichromacy



Original Color

37.7774, 0.3069, 0.4005

Protanomaly

37.3054, 0.3387, 0.3902

Deuteranomaly

36.9844, 0.3424, 0.3727

Tritanomaly

37.7546, 0.2866, 0.3411

Monochromacy



Original Color

37.7774, 0.3069, 0.4005

Achromatopsia

34.1914, 0.3127, 0.3290

Achromatomaly

35.2832, 0.3097, 0.3535

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.7774, 0.3069, 0.4005 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, 177, 132)` looks like.

```
.text, #text, p{  
    color:rgb(129, 177, 132)  
}
```

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, 177, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 177, 132) }
```

Border

The CSS property to change the border of an element to Yxy 37.7774, 0.3069, 0.4005 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, 177, 132) }
```

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

```
.border{ border-color:rgb(129, 177, 132) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 177, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 177, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 177, 132);  
box-shadow:4px 4px 4px 4px rgb(129, 177,  
132) }
```


Background

The CSS property to change the background color of an element to Yxy 37.7774, 0.3069, 0.4005 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 177, 132) }
```

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

```
.background{ background-color: rgb(129,  
177, 132) }
```

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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