

Converting Colors

$Yxy(39.9677, 0.3038, 0.4266)$

Have a look what the booklet for
Yxy(39.9677, 0.3038, 0.4266)
contains.

Yxy(40.0047, 0.3035, 0.4267)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(40.0047, 0.3035, 0.4267)

Conversions

Conversions Part 1

Format	Color
Hex	76B97C
RGB	118, 185, 124
RGB Percent	46%, 73%, 49%
CMY	0.5374, 0.2745, 0.5137
CMYK	0.36, 0.00, 0.33, 0.27
HSL	125°, 32%, 59%
HSV	125°, 36%, 73%
XYZ	28.4542, 40.0047, 25.2947
YIQ	158.0130, -20.3510, -33.1750

Conversions

Conversions Part 2

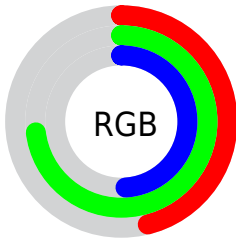
Format	Color
RYB	118, 179, 185
Decimal	7780732
CIELab	69.47, -33.94, 24.42
CIELCh	69, 41.808, 144.262
Yxy	40.0047, 0.3035, 0.4267
Android (android.graphics.Color)	4285970812 (0xFF76B97C)
YUV	158.0130, -16.7684, -35.0914
Hunter-Lab	63.2493, -30.3836, 20.5631

Details

The Yxy color $40.0047, 0.3035, 0.4267$ is a dark color, and the websafe version is hex $99CC99$. A complement of this color would be $26.5146, 0.3234, 0.2477$, and the grayscale version is $34.2794, 0.3127, 0.3290$.

A 20% lighter version of the original color is $74.8556, 0.3060, 0.4061$, and $17.8853, 0.2989, 0.4609$ is the 20% darker color. If you saturate the color by 10%, you get $38.4461, 0.3012, 0.4593$, and if you desaturate by 10%, it is $41.8933, 0.3060, 0.3960$.

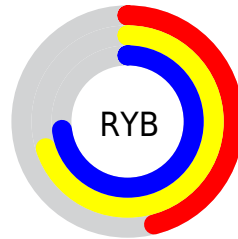
Distribution



Red (46%)

Green (73%)

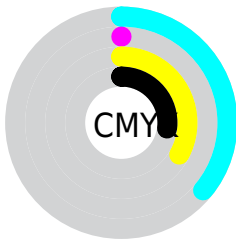
Blue (49%)



Red (46%)

Yellow (70%)

Blue (73%)

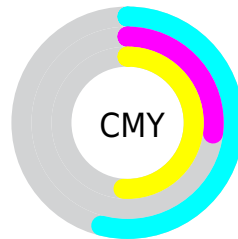


Cyan (36%)

Magenta (0%)

Yellow (33%)

Black (27%)



Cyan (54%)

Magenta (27%)

Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.0047, 0.3035, 0.4267 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 40.0047, 0.3035, 0.4267 by changing the saturation by 10% instead.


 40.0047, 0.3035,
0.4267


 40.0047, 0.3035,
0.4267

346.1434, 0.3097,
0.3740


 27.5422, 0.3013,
0.4412


 75.1707, 0.3062,
0.4066

 17.9809, 0.2981,
0.4606

 98.6429, 0.3071,
0.3993

 10.9362, 0.2929,
0.4878

 126.5539, 0.3078,
0.3933

 6.0240, 0.2839,
0.5283

159.2880, 0.3083,
0.3882

 2.8597, 0.2678,
0.5983

197.2296, 0.3088,
0.3839

 1.0589, 0.1372,
0.8628

240.7631, 0.3091,

 0.0000, 0.0000,

0.3801

0.0000

290.2729, 0.3094,
0.3768

■ 40.0047, 0.3035,
0.4267

■ 40.0047, 0.3035,
0.4267

■ 38.4461, 0.3012,
0.4593

■ 41.8933, 0.3060,
0.3960

■ 37.1939, 0.2992,
0.4924

■ 44.1241, 0.3086,
0.3680

■ 36.2292, 0.2978,
0.5242


■ 46.7146, 0.3112,
0.3430


■ 35.5292, 0.2972,
0.5523

■ 49.6797, 0.3136,
0.3211


■ 35.0671, 0.2973,
0.5747

■ 53.0337, 0.3159,
0.3020

 34.8092, 0.2982,
0.5899

 56.7898, 0.3180,
0.2855

 34.7420, 0.2983,
0.5939

 60.9607, 0.3199,
0.2713

 63.1824, 0.3159,
0.2605

Harmonies

Analogous

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



40.0047, 0.3633, 0.4411



40.0047, 0.3035, 0.4267



40.0047, 0.2492, 0.3756

Triad

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



40.0047, 0.3035, 0.4267



40.0047, 0.2180, 0.2373



40.0047, 0.4218, 0.3303

Complementary

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



40.0047, 0.3035, 0.4267



26.5146, 0.3234, 0.2477

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.



40.0047, 0.3749, 0.2862



40.0047, 0.3035, 0.4267



40.0047, 0.2558, 0.2347

Square

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



40.0047, 0.3035, 0.4267



40.0047, 0.2035, 0.2631



40.0047, 0.3124, 0.2523



40.0047, 0.4350, 0.3775

Rectangle

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



40.0047, 0.3035, 0.4267



40.0047, 0.2231, 0.3329



40.0047, 0.3124, 0.2523



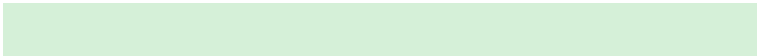
40.0047, 0.4093, 0.3149

Sweetspot

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



40.0064, 0.3035, 0.4267



81.2828, 0.3099, 0.3550



45.6435, 0.3612, 0.4195



17.3900, 0.3096, 0.3584



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



40.0064, 0.3035, 0.4267



69.5043, 0.3017, 0.4509



40.9875, 0.2807, 0.3722



10.0729, 0.3104, 0.3504



23.6580, 0.2980, 0.5928



0.8384, 0.2906, 0.5662

Inverse Universe

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



26.5146, 0.3234, 0.2477



41.9938, 0.3260, 0.2318



25.3340, 0.3624, 0.2900



9.1484, 0.3151, 0.3085



8.9610, 0.3447, 0.1673



0.3200, 0.3379, 0.1635

Previews

White Background



This preview shows how the Yxy color 40.0047, 0.3035, 0.4267 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 40.0047, 0.3035, 0.4267 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 40.0047, 0.3035, 0.4267

Background



This preview shows how black text looks on a background with the Yxy color 40.0047, 0.3035, 0.4267.



This preview shows how white text looks on a background with the Yxy color 40.0047, 0.3035, 0.4267.

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

40.0047, 0.3035, 0.4267

Protanopia

39.6054, 0.3712, 0.4007

Deuteranopia

39.4314, 0.3795, 0.3725



Tritanopia

40.0312, 0.2659, 0.3086

Trichromacy



Original Color

40.0047, 0.3035, 0.4267

Protanomaly

39.3869, 0.3438, 0.4101

Deuteranomaly

38.7168, 0.3491, 0.3910

Tritanomaly

39.8682, 0.2790, 0.3487

Monochromacy



Original Color

40.0047, 0.3035, 0.4267

Achromatopsia

34.1914, 0.3127, 0.3290

Achromatomaly

35.9202, 0.3084, 0.3630

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.0047, 0.3035, 0.4267 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(118, 185, 124)` looks like.

```
.text, #text, p{  
    color:rgb(118, 185, 124)  
}
```

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(118, 185, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 185, 124) }
```

Border

The CSS property to change the border of an element to Yxy 40.0047, 0.3035, 0.4267 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(118, 185, 124) }
```

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

```
.border{ border-color:rgb(118, 185, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 185, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 185, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 185, 124);  
box-shadow:4px 4px 4px 4px rgb(118, 185,  
124) }
```


Background

The CSS property to change the background color of an element to Yxy 40.0047, 0.3035, 0.4267 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 185, 124) }
```

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

```
.background{ background-color: rgb(118,  
185, 124) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor