

Converting Colors

$Y_{xy}(47.2539, 0.3008, 0.3775)$

Have a look what the booklet for
Yxy(47.2539, 0.3008, 0.3775)
contains.

| | |
|---|----|
| Yxy(47.3247, 0.3004, 0.3774) | 3 |
| Conversions | 4 |
| Details | 6 |
| Harmonies | 12 |
| Previews | 24 |
| Color Blindness Simulation | 27 |
| CSS Examples | 30 |

Color

Yxy(47.3247, 0.3004, 0.3774)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 93C2A0 |
| RGB | 147, 194, 160 |
| RGB Percent | 58%, 76%, 63% |
| CMY | 0.4235, 0.2392, 0.3726 |
| CMYK | 0.24, 0.00, 0.18, 0.24 |
| HSL | 137°, 28%, 67% |
| HSV | 137°, 24%, 76% |
| XYZ | 37.6692, 47.3247, 40.4028 |
| YIQ | 176.0710, -17.0980, -20.5380 |

Conversions

Conversions Part 2

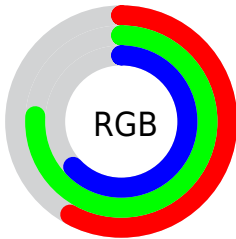
| Format | Color |
|-------------------------------------|--------------------------------|
| RYB | 147, 184, 194 |
| Decimal | 9683616 |
| CIELab | 74.40, -22.37, 12.14 |
| CIELCh | 74, 25.453, 151.518 |
| Yxy | 47.3247, 0.3004, 0.3774 |
| Android (android.graphics.Color) | 4287873696 (0xFF93C2A0) |
| YUV | 176.0710, -7.9230, -25.4953 |
| Hunter-Lab | 68.7930, -22.6459, 13.3334 |

Details

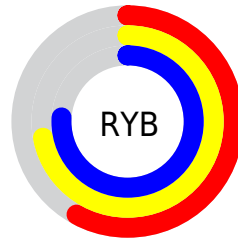
The Yxy color $47.3247, 0.3004, 0.3774$ is a light color, and the websafe version is hex $99CC99$. A complement of this color would be $35.6750, 0.3278, 0.2851$, and the grayscale version is $43.5046, 0.3127, 0.3290$.

A 20% lighter version of the original color is $86.4572, 0.3029, 0.3682$, and $22.2718, 0.2965, 0.3930$ is the 20% darker color. If you saturate the color by 10%, you get $45.2179, 0.2957, 0.4013$, and if you desaturate by 10%, it is $49.7934, 0.3054, 0.3558$.

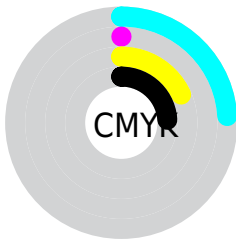
Distribution



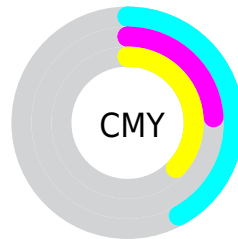
- Red (58%)
- Green (76%)
- Blue (63%)



- Red (58%)
- Yellow (72%)
- Blue (76%)



- Cyan (24%)
- Magenta (0%)
- Yellow (18%)
- Black (24%)



- Cyan (42%)
- Magenta (24%)
- Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 47.3247, 0.3004, 0.3774 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 47.3247, 0.3004, 0.3774 by changing the saturation by 10% instead.


 47.3247, 0.3004,
0.3774


 47.3247, 0.3004,
0.3774


376.1091, 0.3069,
0.3525

 33.2924, 0.2986,
0.3839


 86.1981, 0.3029,
0.3682

 22.3505, 0.2963,
0.3923


 111.8080, 0.3038,
0.3648

 14.1147, 0.2931,
0.4038


142.0459, 0.3045,
0.3619

 8.2005, 0.2883,
0.4203

177.2962, 0.3051,
0.3595

 4.2235, 0.2806,
0.4460

217.9432, 0.3057,
0.3573

 1.7994, 0.2664,
0.4914

264.3715, 0.3062,

 0.4868, 0.0000,

0.3555

1.0000

316.9653, 0.3066,
0.3539

0.0000, 0.0000,
0.0000

47.3247, 0.3004,
0.3774

47.3247, 0.3004,
0.3774

45.2179, 0.2957,
0.4013

49.7934, 0.3054,
0.3558

43.4500, 0.2916,
0.4271

52.6340, 0.3106,
0.3365

42.0047, 0.2883,
0.4543


55.8632, 0.3156,
0.3194


40.8617, 0.2862,
0.4819

59.4952, 0.3206,
0.3045

39.9985, 0.2855,
0.5088


63.5432, 0.3253,
0.2915

 39.3892, 0.2864,
0.5336

 66.3909, 0.3233,
0.2792

 39.0028, 0.2888,
0.5550

 67.0656, 0.3155,
0.2693

 38.8483, 0.2904,
0.5656

Harmonies

Analogous

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



47.3247, 0.3357, 0.3920



47.3247, 0.3004, 0.3774



47.3247, 0.2696, 0.3473

Triad

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



47.3247, 0.3004, 0.3774



47.3247, 0.2604, 0.2725



47.3247, 0.3789, 0.3388

Complementary

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



47.3247, 0.3004, 0.3774



35.6750, 0.3278, 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.



47.3247, 0.3564, 0.3102



47.3247, 0.3004, 0.3774



47.3247, 0.2871, 0.2731

Square

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



47.3247, 0.3004, 0.3774



47.3247, 0.2475, 0.2863



47.3247, 0.3222, 0.2868



47.3247, 0.3823, 0.3668

Rectangle

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



47.3247, 0.3004, 0.3774



47.3247, 0.2554, 0.3243



47.3247, 0.3222, 0.2868



47.3247, 0.3733, 0.3290

Sweetspot

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



47.3267, 0.3004, 0.3774



93.7995, 0.3091, 0.3418



50.5730, 0.3380, 0.3909



20.4699, 0.3088, 0.3430



0.0000, 0.0000, 0.0000



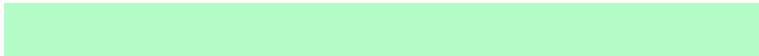
21.4041, 0.3127, 0.3290

Same Dimension

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



47.3267, 0.3004, 0.3774



83.6616, 0.2979, 0.3896



48.2093, 0.2846, 0.3441



11.3036, 0.3079, 0.3461



25.5524, 0.2898, 0.5633



1.1161, 0.2768, 0.5164

Inverse Universe

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



35.6750, 0.3278, 0.2851



58.9544, 0.3319, 0.2753



34.8058, 0.3511, 0.3145



10.1985, 0.3179, 0.3125



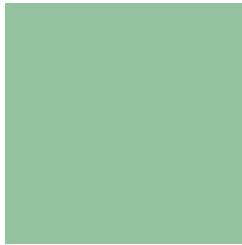
8.8076, 0.4048, 0.2003



0.3917, 0.3820, 0.1878

Previews

White Background



This preview shows how the Yxy color 47.3247, 0.3004, 0.3774 looks on a white background.

Color Contrast Check

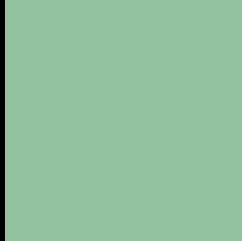
Large Text (above 18pt) WCAG AA × Fail

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 47.3247, 0.3004, 0.3774 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

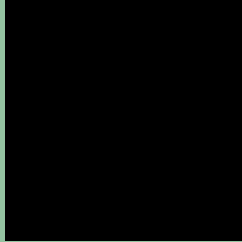
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 47.3247, 0.3004, 0.3774

Background



This preview shows how black text looks on a background with the Yxy color 47.3247, 0.3004, 0.3774.



This preview shows how white text looks on a background with the Yxy color 47.3247, 0.3004, 0.3774.

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

47.3247, 0.3004, 0.3774

Protanopia

46.9955, 0.3445, 0.3654

Deuteranopia

46.9964, 0.3510, 0.3440



Tritanopia

47.2468, 0.2765, 0.3090

Trichromacy



Original Color

47.3247, 0.3004, 0.3774

Protanomaly

46.7482, 0.3278, 0.3695

Deuteranomaly

46.8256, 0.3305, 0.3554

Tritanomaly

47.0902, 0.2852, 0.3330

Monochromacy



Original Color

47.3247, 0.3004, 0.3774

Achromatopsia

43.4154, 0.3127, 0.3290

Achromatomaly

44.7686, 0.3077, 0.3469

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.3247, 0.3004, 0.3774 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(147, 194, 160)` looks like.

```
.text, #text, p{  
    color:rgb(147, 194, 160)  
}
```

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(147, 194, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 194, 160) }
```

Border

The CSS property to change the border of an element to Yxy 47.3247, 0.3004, 0.3774 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(147, 194, 160) }
```

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

```
.border{ border-color:rgb(147, 194, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 194, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(147, 194, 160); -webkit-box-shadow:4px 4px 4px 4px rgb(147, 194, 160); box-shadow:4px 4px 4px 4px rgb(147, 194, 160) }
```


Background

The CSS property to change the background color of an element to Yxy 47.3247, 0.3004, 0.3774 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 194, 160) }
```

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

```
.background{ background-color: rgb(147,  
194, 160) }
```

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