

Converting Colors

$Y_{xy}(46.7280, 0.3378, 0.3742)$

Have a look what the booklet for
Yxy(46.7280, 0.3378, 0.3742)
contains.

Yxy(46.8774, 0.3373, 0.3744)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(46.8774, 0.3373, 0.3744)

Conversions

Conversions Part 1

Format	Color
Hex	B6B997
RGB	182, 185, 151
RGB Percent	71%, 73%, 59%
CMY	0.2861, 0.2745, 0.4079
CMYK	0.02, 0.00, 0.18, 0.27
HSL	65°, 20%, 66%
HSV	65°, 18%, 73%
XYZ	42.2322, 46.8774, 36.0971
YIQ	180.2270, 9.1260, -11.2100

Conversions

Conversions Part 2

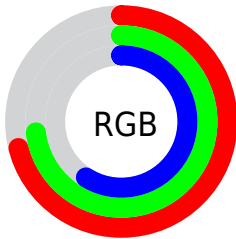
Format	Color
RYB	151, 185, 154
Decimal	11975063
CIELab	74.11, -6.87, 16.94
CIELCh	74, 18.284, 112.077
Yxy	46.8774, 0.3373, 0.3744
Android (android.graphics.Color)	4290165143 (0xFFB6B997)
YUV	180.2270, -14.4089, 1.5549
Hunter-Lab	68.4671, -9.7140, 16.6682

Details

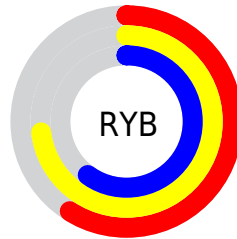
The Yxy color $46.8774, 0.3373, 0.3744$ is a light color, and the websafe version is hex `CCCC99`. A complement of this color would be $32.4989, 0.2855, 0.2800$, and the grayscale version is $45.8488, 0.3127, 0.3290$.

A 20% lighter version of the original color is $85.4955, 0.3331, 0.3663$, and $22.0898, 0.3441, 0.3877$ is the 20% darker color. If you saturate the color by 10%, you get $46.1300, 0.3508, 0.3998$, and if you desaturate by 10%, it is $47.7255, 0.3238, 0.3493$.

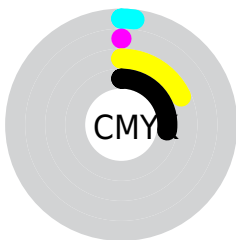
Distribution



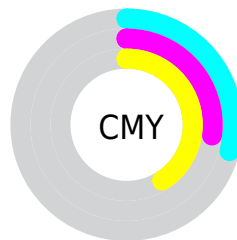
- Red (71%)
- Green (73%)
- Blue (59%)



- Red (59%)
- Yellow (73%)
- Blue (60%)



- Cyan (2%)
- Magenta (0%)
- Yellow (18%)
- Black (27%)



- Cyan (29%)
- Magenta (27%)
- Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.8774, 0.3373, 0.3744 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 46.8774, 0.3373, 0.3744 by changing the saturation by 10% instead.

 46.8774, 0.3373,
0.3744


 46.8774, 0.3373,
0.3744


374.3249, 0.3252,
0.3514

 32.9387, 0.3402,
0.3802


 85.5306, 0.3330,
0.3660

 22.0795, 0.3439,
0.3877


 111.0139, 0.3313,
0.3628

 13.9153, 0.3488,
0.3977

141.1143, 0.3299,
0.3602

 8.0618, 0.3552,
0.4118

176.2160, 0.3287,
0.3579

 4.1345, 0.3643,
0.4329

216.7035, 0.3277,
0.3560

 1.7491, 0.3840,
0.4756

262.9613, 0.3268,

 0.4551, 0.3678,

0.3543

0.6322

315.3736, 0.3259,
0.3528

0.0000, 0.0000,
0.0000

46.8774, 0.3373,
0.3744

46.8774, 0.3373,
0.3744

46.1300, 0.3508,
0.3998

47.7255, 0.3238,
0.3493

45.4727, 0.3637,
0.4248

48.6723, 0.3106,
0.3252

44.9028, 0.3756,
0.4484

49.7235, 0.2980,
0.3024

44.4152, 0.3859,
0.4696

50.8830, 0.2862,
0.2811

44.0041, 0.3941,
0.4875

52.1542, 0.2751,
0.2616

■ 43.6630, 0.3999,
0.5014

■ 53.0819, 0.2692,
0.2504

■ 43.3843, 0.4031,
0.5109

■ 53.2926, 0.2703,
0.2506

■ 43.1556, 0.4041,
0.5165

■ 53.5057, 0.2714,
0.2509

■ 43.1202, 0.4042,
0.5173

■ 53.7210, 0.2725,
0.2511

Harmonies

Analogous

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



46.8774, 0.3563, 0.3677



46.8774, 0.3373, 0.3744



46.8774, 0.3122, 0.3680

Triad

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



46.8774, 0.3373, 0.3744



46.8774, 0.2644, 0.3038



46.8774, 0.3371, 0.3094

Complementary

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



46.8774, 0.3373, 0.3744



32.4989, 0.2855, 0.2800

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.



46.8774, 0.3116, 0.2939



46.8774, 0.3373, 0.3744



46.8774, 0.2703, 0.2900

Square

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



46.8774, 0.3373, 0.3744



46.8774, 0.2707, 0.3256



46.8774, 0.2873, 0.2868



46.8774, 0.3564, 0.3299

Rectangle

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



46.8774, 0.3373, 0.3744



46.8774, 0.2955, 0.3567



46.8774, 0.2873, 0.2868



46.8774, 0.3289, 0.3034

Sweetspot

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



46.8795, 0.3373, 0.3744



85.8523, 0.3208, 0.3437



35.6019, 0.3472, 0.3330



18.4852, 0.3216, 0.3453



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.



46.8795, 0.3373, 0.3744



83.4116, 0.3427, 0.3845



44.9464, 0.3224, 0.3766



10.4626, 0.3251, 0.3517



29.3788, 0.4044, 0.5171



1.0474, 0.4085, 0.5139

Inverse Universe

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



32.4989, 0.2855, 0.2800



52.9478, 0.2788, 0.2680



34.2723, 0.3012, 0.2822



8.7558, 0.2997, 0.3055



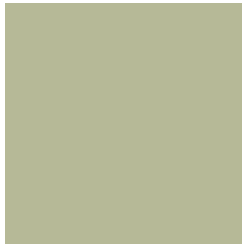
2.4747, 0.1533, 0.0618



0.0998, 0.1662, 0.0689

Previews

White Background



This preview shows how the Yxy color 46.8774, 0.3373, 0.3744 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 46.8774, 0.3373, 0.3744 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

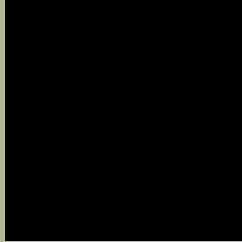
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

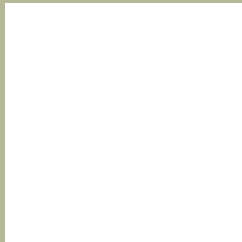
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 46.8774, 0.3373, 0.3744

Background



This preview shows how black text looks on a background with the Yxy color 46.8774, 0.3373, 0.3744.



This preview shows how white text looks on a background with the Yxy color 46.8774, 0.3373, 0.3744.

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

46.8774, 0.3373, 0.3744

Protanopia

46.9633, 0.3496, 0.3719

Deuteranopia

46.6615, 0.3639, 0.3563



Tritanopia

46.7818, 0.3093, 0.3113

Trichromacy



Original Color

46.8774, 0.3373, 0.3744

Protanomaly

46.8878, 0.3448, 0.3723

Deuteranomaly

46.7866, 0.3543, 0.3635

Tritanomaly

46.7012, 0.3194, 0.3329

Monochromacy



Original Color

46.8774, 0.3373, 0.3744

Achromatopsia

45.6411, 0.3127, 0.3290

Achromatomaly

46.1442, 0.3222, 0.3462

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.8774, 0.3373, 0.3744 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(182, 185, 151)` looks like.

```
.text, #text, p{  
    color:rgb(182, 185, 151)  
}
```

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(182, 185, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 185, 151) }
```

Border

The CSS property to change the border of an element to Yxy 46.8774, 0.3373, 0.3744 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(182, 185, 151) }
```

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

```
.border{ border-color:rgb(182, 185, 151) }
```

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

Here you see how a box with a 4 pixel rgb(182, 185, 151) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(182, 185, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(182, 185, 151);  
box-shadow:4px 4px 4px 4px rgb(182, 185,  
151) }
```


Background

The CSS property to change the background color of an element to Yxy 46.8774, 0.3373, 0.3744 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 185, 151) }
```

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

```
.background{ background-color: rgb(182,  
185, 151) }
```

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