

Converting Colors

$Yxy(46.9537, 0.3118, 0.3484)$

Have a look what the booklet for
Yxy(46.9537, 0.3118, 0.3484)
contains.

Yxy(46.8670, 0.3118, 0.3478)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(46.8670, 0.3118, 0.3478)

Conversions

Conversions Part 1

Format	Color
Hex	ACBAAC
RGB	172, 186, 172
RGB Percent	67%, 73%, 67%
CMY	0.3256, 0.2706, 0.3254
CMYK	0.08, 0.00, 0.08, 0.27
HSL	120°, 9%, 70%
HSV	120°, 8%, 73%
XYZ	42.0159, 46.8670, 45.8698
YIQ	180.2180, -3.8500, -7.3220

Conversions

Conversions Part 2

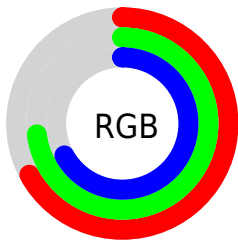
Format	Color
RYB	172, 186, 186
Decimal	11319980
CIELab	74.10, -7.50, 5.42
CIELCh	74, 9.252, 144.112
Yxy	46.8670, 0.3118, 0.3478
Android (android.graphics.Color)	4289510060 (0xFFACBAAC)
YUV	180.2180, -4.0515, -7.2072
Hunter-Lab	68.4595, -10.2526, 8.1956

Details

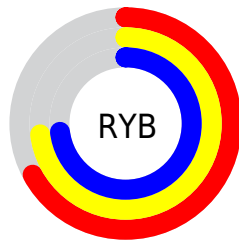
The Yxy color $46.8670, 0.3118, 0.3478$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $43.4804, 0.3136, 0.3109$, and the grayscale version is $45.7883, 0.3127, 0.3290$.

A 20% lighter version of the original color is $85.3812, 0.3120, 0.3446$, and $22.1242, 0.3116, 0.3531$ is the 20% darker color. If you saturate the color by 10%, you get $44.2462, 0.3104, 0.3757$, and if you desaturate by 10%, it is $49.8859, 0.3130, 0.3233$.

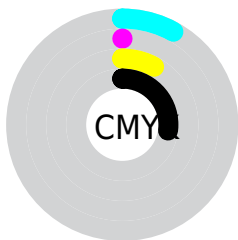
Distribution



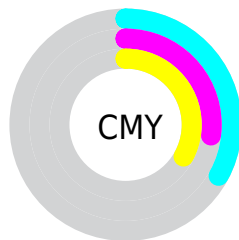
- Red (67%)
- Green (73%)
- Blue (67%)



- Red (67%)
- Yellow (73%)
- Blue (73%)



- Cyan (8%)
- Magenta (0%)
- Yellow (8%)
- Black (27%)



- Cyan (33%)
- Magenta (27%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 46.8670, 0.3118, 0.3478 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 46.8670, 0.3118, 0.3478 by changing the saturation by 10% instead.

■ 46.8670, 0.3118,
0.3478

■ 46.8670, 0.3118,
0.3478

374.2834, 0.3123,
0.3383

■ 32.9305, 0.3117,
0.3502

■ 85.5151, 0.3120,
0.3443

■ 22.0732, 0.3115,
0.3533

110.9954, 0.3121,
0.3430

■ 13.9107, 0.3112,
0.3575

141.0926, 0.3121,
0.3419

■ 8.0586, 0.3107,
0.3635

176.1909, 0.3122,
0.3410

■ 4.1325, 0.3100,
0.3725

216.6747, 0.3122,
0.3402

■ 1.7479, 0.3085,
0.3880

262.9285, 0.3123,

■ 0.4544, 0.3040,

0.3395

0.5549

315.3366, 0.3123,
0.3389

0.0000, 0.0000,
0.0000

46.8670, 0.3118,
0.3478

46.8670, 0.3118,
0.3478

44.2462, 0.3104,
0.3757

49.8859, 0.3130,
0.3233

42.0011, 0.3089,
0.4070

53.3121, 0.3140,
0.3020

40.1164, 0.3073,
0.4409

57.1622, 0.3149,
0.2838

38.5733, 0.3056,
0.4764

61.4499, 0.3157,
0.2681

37.3514, 0.3040,
0.5113

63.6017, 0.3159,
0.2614

■ 36.4281, 0.3025,
0.5433

■ 35.7776, 0.3013,
0.5695

■ 35.3703, 0.3005,
0.5879

■ 35.1623, 0.3000,
0.5979

Harmonies

Analogous

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



46.8670, 0.3246, 0.3517



46.8670, 0.3118, 0.3478



46.8670, 0.2995, 0.3386

Triad

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



46.8670, 0.3118, 0.3478



46.8670, 0.2914, 0.3089



46.8670, 0.3351, 0.3306

Complementary

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



46.8670, 0.3118, 0.3478



43.4804, 0.3136, 0.3109

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.



46.8670, 0.3259, 0.3196



46.8670, 0.3118, 0.3478



46.8670, 0.3006, 0.3072

Square

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



46.8670, 0.3118, 0.3478



46.8670, 0.2879, 0.3159



46.8670, 0.3132, 0.3112



46.8670, 0.3382, 0.3413

Rectangle

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



46.8670, 0.3118, 0.3478



46.8670, 0.2931, 0.3308



46.8670, 0.3132, 0.3112



46.8670, 0.3326, 0.3268

Sweetspot

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



46.8690, 0.3118, 0.3478



87.8665, 0.3125, 0.3339



48.5396, 0.3237, 0.3472



19.3622, 0.3125, 0.3336



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



46.8690, 0.3118, 0.3478



84.1332, 0.3116, 0.3521



47.1442, 0.3065, 0.3383



10.0605, 0.3116, 0.3525



23.6272, 0.2999, 0.5998



0.8331, 0.2997, 0.5988

Inverse Universe

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



43.4804, 0.3136, 0.3109



76.7652, 0.3138, 0.3070



43.1910, 0.3194, 0.3199



9.1623, 0.3138, 0.3065



9.3929, 0.3216, 0.1545



0.3313, 0.3214, 0.1544

Previews

White Background



This preview shows how the Yxy color 46.8670, 0.3118, 0.3478 looks on a white background.

Color Contrast Check

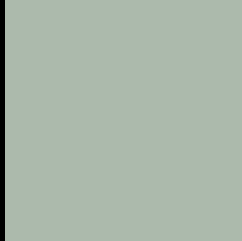
Large Text (above 18pt) WCAG AA × Fail

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 46.8670, 0.3118, 0.3478 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

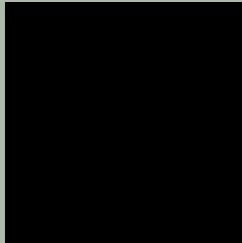
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

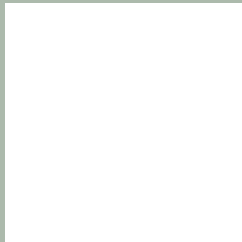
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 46.8670, 0.3118, 0.3478

Background



This preview shows how black text looks on a background with the Yxy color 46.8670, 0.3118, 0.3478.



This preview shows how white text looks on a background with the Yxy color 46.8670, 0.3118, 0.3478.

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

46.8670, 0.3118, 0.3478

Protanopia

46.6037, 0.3285, 0.3447

Deuteranopia

46.6632, 0.3377, 0.3316



Tritanopia

46.7172, 0.2963, 0.3096

Trichromacy



Original Color

46.8670, 0.3118, 0.3478

Protanomaly

46.7143, 0.3222, 0.3462

Deuteranomaly

46.7360, 0.3280, 0.3380

Tritanomaly

46.6118, 0.3022, 0.3224

Monochromacy



Original Color

46.8670, 0.3118, 0.3478

Achromatopsia

45.6411, 0.3127, 0.3290

Achromatomaly

45.9773, 0.3124, 0.3356

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.8670, 0.3118, 0.3478 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(172, 186, 172)` looks like.

```
.text, #text, p{  
    color:rgb(172, 186, 172)  
}
```

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(172, 186, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 186, 172) }
```

Border

The CSS property to change the border of an element to Yxy 46.8670, 0.3118, 0.3478 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(172, 186, 172) }
```

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

```
.border{ border-color:rgb(172, 186, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 186, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 186, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 186, 172);  
box-shadow:4px 4px 4px 4px rgb(172, 186,  
172) }
```


Background

The CSS property to change the background color of an element to Yxy 46.8670, 0.3118, 0.3478 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 186, 172) }
```

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

```
.background{ background-color: rgb(172,  
186, 172) }
```

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