

Converting Colors

$Yxy(46.0985, 0.3112, 0.3488)$

Have a look what the booklet for
Yxy(46.0985, 0.3112, 0.3488)
contains.

Yxy(46.1463, 0.3118, 0.3493)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(46.1463, 0.3118, 0.3493)

Conversions

Conversions Part 1

Format	Color
Hex	AAB9AA
RGB	170, 185, 170
RGB Percent	67%, 73%, 67%
CMY	0.3331, 0.2746, 0.3333
CMYK	0.08, 0.00, 0.08, 0.27
HSL	120°, 10%, 70%
HSV	120°, 8%, 73%
XYZ	41.1921, 46.1463, 44.7723
YIQ	178.8050, -4.1250, -7.8450

Conversions

Conversions Part 2

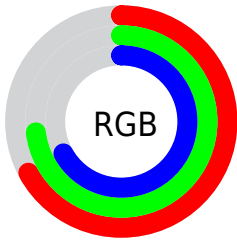
Format	Color
RYB	170, 185, 185
Decimal	11188650
CIELab	73.64, -8.00, 5.83
CIELCh	74, 9.899, 143.925
Yxy	46.1463, 0.3118, 0.3493
Android (android.graphics.Color)	4289378730 (0xFFAAB9AA)
YUV	178.8050, -4.3409, -7.7220
Hunter-Lab	67.9311, -10.6403, 8.4746

Details

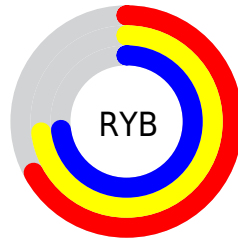
The Yxy color **46.1463, 0.3118, 0.3493** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **42.5643, 0.3136, 0.3095**, and the grayscale version is **45.0011, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.3544, 0.3119, 0.3458**, and **21.6621, 0.3115, 0.3553** is the 20% darker color. If you saturate the color by 10%, you get **43.5822, 0.3105, 0.3775**, and if you desaturate by 10%, it is **49.1013, 0.3129, 0.3245**.

Distribution



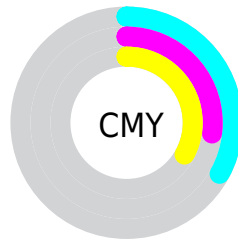
- Red (67%)
- Green (73%)
- Blue (67%)



- 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 46.1463, 0.3118, 0.3493 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 46.1463, 0.3118, 0.3493 by changing the saturation by 10% instead.

 46.1463, 0.3118,
0.3493


 46.1463, 0.3118,
0.3493


 371.3965, 0.3123,
0.3390

 32.3613, 0.3116,
0.3519


 84.4379, 0.3120,
0.3455

 21.6376, 0.3114,
0.3553


 109.7133, 0.3121,
0.3441


 13.5909, 0.3111,
0.3599


 139.5876, 0.3121,
0.3429

 7.8367, 0.3107,
0.3664

 174.4452, 0.3122,
0.3419

 3.9906, 0.3099,
0.3764

 214.6705, 0.3122,
0.3410

 1.6683, 0.3082,
0.3937

 260.6479, 0.3123,

 0.4030, 0.3018,

0.3403


0.6479


312.7617, 0.3123,
0.3396


 0.0000, 0.0000,
0.0000

 46.1463, 0.3118,
0.3493

 46.1463, 0.3118,
0.3493


 43.5822, 0.3105,
0.3775


 49.1013, 0.3129,
0.3245

 41.3871, 0.3091,
0.4089


 52.4565, 0.3139,
0.3031


 39.5458, 0.3075,
0.4431

 56.2280, 0.3147,
0.2846

 38.0397, 0.3059,
0.4786

 60.4294, 0.3154,
0.2687

 36.8488, 0.3042,
0.5135

 63.1731, 0.3159,
0.2604

■ 35.9507, 0.3027,
0.5452

■ 35.3200, 0.3015,
0.5710

■ 34.9273, 0.3006,
0.5888

■ 34.7269, 0.3001,
0.5984

Harmonies

Analogous

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



46.1463, 0.3255, 0.3534



46.1463, 0.3118, 0.3493



46.1463, 0.2985, 0.3394

Triad

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



46.1463, 0.3118, 0.3493



46.1463, 0.2898, 0.3074



46.1463, 0.3368, 0.3306

Complementary

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



46.1463, 0.3118, 0.3493



42.5643, 0.3136, 0.3095

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.



46.1463, 0.3268, 0.3189



46.1463, 0.3118, 0.3493



46.1463, 0.2996, 0.3056

Square

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



46.1463, 0.3118, 0.3493



46.1463, 0.2860, 0.3150



46.1463, 0.3132, 0.3098



46.1463, 0.3402, 0.3422

Rectangle

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



46.1463, 0.3118, 0.3493



46.1463, 0.2917, 0.3310



46.1463, 0.3132, 0.3098



46.1463, 0.3341, 0.3265

Sweetspot

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



46.1483, 0.3118, 0.3493



85.7849, 0.3125, 0.3339



47.8044, 0.3246, 0.3482



18.5058, 0.3125, 0.3336



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.



46.1483, 0.3118, 0.3493



81.6560, 0.3115, 0.3549



46.4250, 0.3062, 0.3394



10.0613, 0.3117, 0.3526



23.6291, 0.3001, 0.5999



0.8334, 0.3004, 0.5997

Inverse Universe

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



42.5643, 0.3136, 0.3095



73.7076, 0.3138, 0.3044



42.2718, 0.3198, 0.3188



9.1614, 0.3137, 0.3065



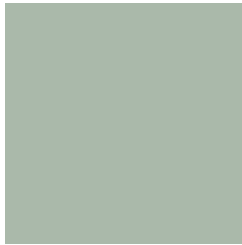
9.3635, 0.3202, 0.1538



0.3305, 0.3204, 0.1539

Previews

White Background



This preview shows how the Yxy color 46.1463, 0.3118, 0.3493 looks on a white background.

Color Contrast Check

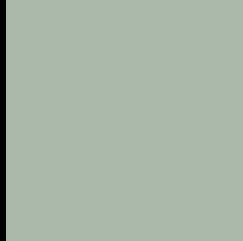
Large Text (above 18pt) WCAG AA × Fail

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 46.1463, 0.3118, 0.3493 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

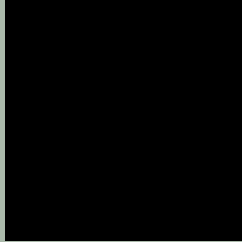
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

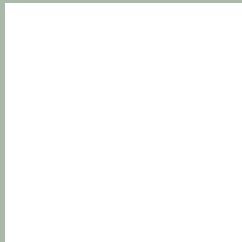
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 46.1463, 0.3118, 0.3493

Background



This preview shows how black text looks on a background with the Yxy color 46.1463, 0.3118, 0.3493.



This preview shows how white text looks on a background with the Yxy color 46.1463, 0.3118, 0.3493.

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

46.1463, 0.3118, 0.3493

Protanopia

45.9973, 0.3295, 0.3461

Deuteranopia

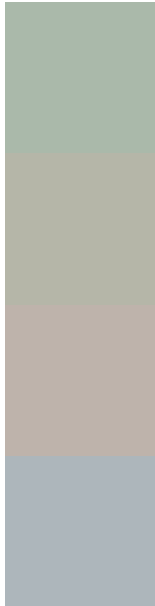
46.0560, 0.3387, 0.3328



Tritanopia

46.0319, 0.2954, 0.3094

Trichromacy



Original Color

46.1463, 0.3118, 0.3493

Protanomaly

46.1068, 0.3231, 0.3476

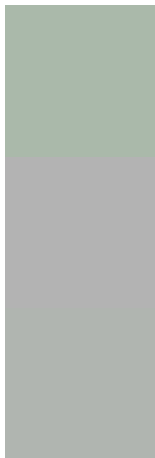
Deuteranomaly

46.1276, 0.3289, 0.3394

Tritanomaly

45.9280, 0.3013, 0.3224

Monochromacy



Original Color

46.1463, 0.3118, 0.3493

Achromatopsia

45.0786, 0.3127, 0.3290

Achromatomaly

45.4124, 0.3124, 0.3357

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.1463, 0.3118, 0.3493 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(170, 185, 170)` looks like.

```
.text, #text, p{  
    color:rgb(170, 185, 170)  
}
```

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(170, 185, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 185, 170) }
```

Border

The CSS property to change the border of an element to Yxy 46.1463, 0.3118, 0.3493 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(170, 185, 170) }
```

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

```
.border{ border-color:rgb(170, 185, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 185, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 185, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 185, 170);  
box-shadow:4px 4px 4px 4px rgb(170, 185,  
170) }
```


Background

The CSS property to change the background color of an element to Yxy 46.1463, 0.3118, 0.3493 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 185, 170) }
```

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

```
.background{ background-color: rgb(170,  
185, 170) }
```

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