

Converting Colors

$Yxy(46.8592, 0.3119, 0.3503)$

Have a look what the booklet for
Yxy(46.8592, 0.3119, 0.3503)
contains.

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Color

Yxy(46.7160, 0.3118, 0.3492)

Conversions

Conversions Part 1

Format	Color
Hex	ABBAAB
RGB	171, 186, 171
RGB Percent	67%, 73%, 67%
CMY	0.3292, 0.2706, 0.3294
CMYK	0.08, 0.00, 0.08, 0.27
HSL	120°, 10%, 70%
HSV	120°, 8%, 73%
XYZ	41.7126, 46.7160, 45.3514
YIQ	179.8050, -4.1250, -7.8450

Conversions

Conversions Part 2

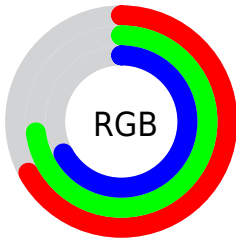
Format	Color
RYB	171, 186, 186
Decimal	11254443
CIELab	74.01, -8.00, 5.82
CIElCh	74, 9.893, 143.937
Yxy	46.7160, 0.3118, 0.3492
Android (android.graphics.Color)	4289444523 (0xFFABBAAB)
YUV	179.8050, -4.3409, -7.7220
Hunter-Lab	68.3491, -10.6746, 8.5039

Details

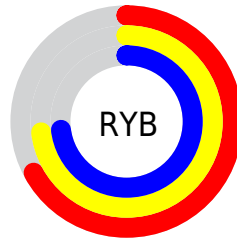
The Yxy color **46.7160, 0.3118, 0.3492** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **43.1079, 0.3136, 0.3096**, and the grayscale version is **45.5623, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.1640, 0.3119, 0.3457**, and **22.0289, 0.3115, 0.3551** is the 20% darker color. If you saturate the color by 10%, you get **44.1179, 0.3105, 0.3774**, and if you desaturate by 10%, it is **49.7104, 0.3129, 0.3244**.

Distribution



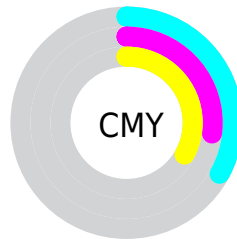
- Red (67%)
- Green (73%)
- Blue (67%)



- 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 46.7160, 0.3118, 0.3492 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 46.7160, 0.3118, 0.3492 by changing the saturation by 10% instead.


 46.7160, 0.3118,
0.3492

 46.7160, 0.3118,
0.3492


373.6798, 0.3123,
0.3390

 32.8112, 0.3116,
0.3518


 85.2895, 0.3120,
0.3455

 21.9819, 0.3114,
0.3552


110.7271, 0.3121,
0.3441

 13.8436, 0.3111,
0.3597


140.7776, 0.3121,
0.3429

 8.0119, 0.3107,
0.3661

175.8256, 0.3122,
0.3419

 4.1026, 0.3099,
0.3759

216.2555, 0.3122,
0.3410

 1.7311, 0.3083,
0.3928

262.4515, 0.3123,

 0.4437, 0.3036,

0.3402

0.5947

314.7981, 0.3123,
0.3396

0.0000, 0.0000,
0.0000

46.7160, 0.3118,
0.3492

46.7160, 0.3118,
0.3492

44.1179, 0.3105,
0.3774

49.7104, 0.3129,
0.3244

41.8937, 0.3091,
0.4089

53.1103, 0.3139,
0.3030

40.0282, 0.3075,
0.4430

56.9323, 0.3147,
0.2845

38.5025, 0.3059,
0.4785

61.1900, 0.3154,
0.2686

37.2961, 0.3042,
0.5134

63.5939, 0.3159,
0.2614

■ 36.3865, 0.3027,
0.5452

■ 35.7479, 0.3015,
0.5710

■ 35.3505, 0.3006,
0.5888

■ 35.1482, 0.3001,
0.5984

Harmonies

Analogous

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



46.7160, 0.3255, 0.3533



46.7160, 0.3118, 0.3492



46.7160, 0.2986, 0.3393

Triad

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



46.7160, 0.3118, 0.3492



46.7160, 0.2899, 0.3075



46.7160, 0.3367, 0.3306

Complementary

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



46.7160, 0.3118, 0.3492



43.1079, 0.3136, 0.3096

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.



46.7160, 0.3268, 0.3189



46.7160, 0.3118, 0.3492



46.7160, 0.2997, 0.3057

Square

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



46.7160, 0.3118, 0.3492



46.7160, 0.2861, 0.3150



46.7160, 0.3132, 0.3099



46.7160, 0.3400, 0.3421

Rectangle

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



46.7160, 0.3118, 0.3492



46.7160, 0.2918, 0.3310



46.7160, 0.3132, 0.3099



46.7160, 0.3340, 0.3266

Sweetspot

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



46.7180, 0.3118, 0.3492



87.8678, 0.3125, 0.3339



48.3874, 0.3245, 0.3481



19.3625, 0.3125, 0.3336



95.5105, 0.3127, 0.3290



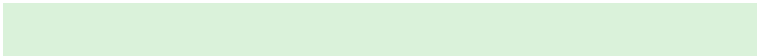
19.5994, 0.3127, 0.3290

Same Dimension

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



46.7180, 0.3118, 0.3492



83.6352, 0.3115, 0.3549



46.9975, 0.3062, 0.3393



10.0612, 0.3116, 0.3526



23.6287, 0.3001, 0.5999



0.8333, 0.3003, 0.5997

Inverse Universe

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



43.1079, 0.3136, 0.3096



75.4922, 0.3138, 0.3044



42.8125, 0.3197, 0.3189



9.1616, 0.3137, 0.3065



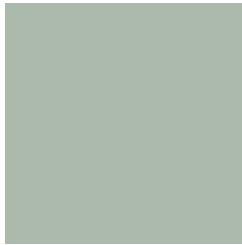
9.3691, 0.3203, 0.1538



0.3307, 0.3205, 0.1539

Previews

White Background



This preview shows how the Yxy color 46.7160, 0.3118, 0.3492 looks on a white background.

Color Contrast Check

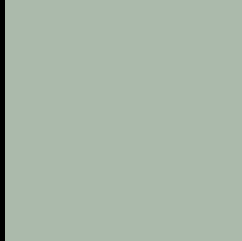
Large Text (above 18pt) WCAG AA × Fail

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 46.7160, 0.3118, 0.3492 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

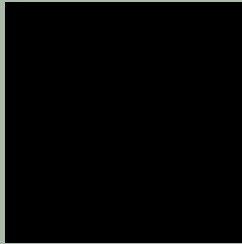
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

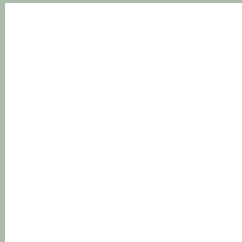
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 46.7160, 0.3118, 0.3492

Background



This preview shows how black text looks on a background with the Yxy color 46.7160, 0.3118, 0.3492.



This preview shows how white text looks on a background with the Yxy color 46.7160, 0.3118, 0.3492.

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

46.7160, 0.3118, 0.3492

Protanopia

46.5663, 0.3294, 0.3460

Deuteranopia

46.6244, 0.3385, 0.3328



Tritanopia

46.6011, 0.2955, 0.3095

Trichromacy



Original Color

46.7160, 0.3118, 0.3492

Protanomaly

46.6766, 0.3230, 0.3475

Deuteranomaly

46.6974, 0.3289, 0.3393

Tritanomaly

46.4965, 0.3014, 0.3224

Monochromacy



Original Color

46.7160, 0.3118, 0.3492

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 46.7160, 0.3118, 0.3492 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(171, 186, 171)` looks like.

```
.text, #text, p{  
    color:rgb(171, 186, 171)  
}
```

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(171, 186, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 186, 171) }
```

Border

The CSS property to change the border of an element to Yxy 46.7160, 0.3118, 0.3492 is called "border". The border property can be set on classes, ids or directly on the HTML element.

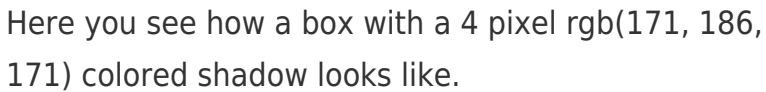
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(171, 186, 171) }
```

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

```
.border{ border-color:rgb(171, 186, 171) }
```

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



Here you see how a box with a 4 pixel `rgb(171, 186, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 186, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 186, 171);  
box-shadow:4px 4px 4px 4px rgb(171, 186,  
171) }
```


Background

The CSS property to change the background color of an element to Yxy 46.7160, 0.3118, 0.3492 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 186, 171) }
```

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

```
.background{ background-color: rgb(171,  
186, 171) }
```

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](#).

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