

Converting Colors

$Yxy(46.7093, 0.3311, 0.3889)$

Have a look what the booklet for
Yxy(46.7093, 0.3311, 0.3889)
contains.

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Color

Yxy(46.5568, 0.3308, 0.3883)

Conversions

Conversions Part 1

Format	Color
Hex	AABC91
RGB	170, 188, 145
RGB Percent	67%, 74%, 57%
CMY	0.3335, 0.2627, 0.4314
CMYK	0.10, 0.00, 0.23, 0.26
HSL	85°, 24%, 65%
HSV	85°, 23%, 74%
XYZ	39.6626, 46.5568, 33.6796
YIQ	177.7160, 3.0750, -17.1890

Conversions

Conversions Part 2

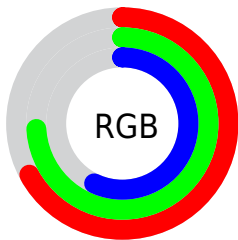
Format	Color
RYB	145, 188, 163
Decimal	11189393
CIELab	73.91, -13.89, 19.75
CIELCh	74, 24.143, 125.109
Yxy	46.5568, 0.3308, 0.3883
Android (android.graphics.Color)	4289379473 (0xFFAABC91)
YUV	177.7160, -16.1290, -6.7669
Hunter-Lab	68.2325, -15.6474, 18.4972

Details

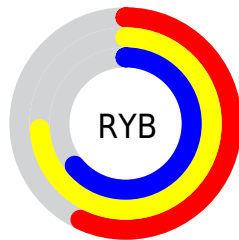
The Yxy color **46.5568, 0.3308, 0.3883** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **31.6727, 0.2911, 0.2687**, and the grayscale version is **44.4448, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.9936, 0.3282, 0.3768**, and **21.9180, 0.3349, 0.4073** is the 20% darker color. If you saturate the color by 10%, you get **45.1726, 0.3382, 0.4166**, and if you desaturate by 10%, it is **48.0939, 0.3229, 0.3613**.

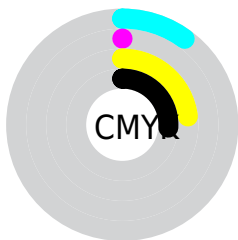
Distribution



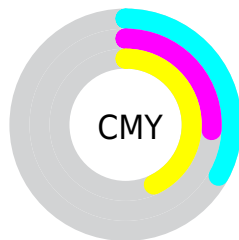
- Red (67%)
- Green (74%)
- Blue (57%)



- Red (57%)
- Yellow (74%)
- Blue (64%)



- Cyan (10%)
- Magenta (0%)
- Yellow (23%)
- Black (26%)



- Cyan (33%)
- Magenta (26%)
- Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 46.5568, 0.3308, 0.3883 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 46.5568, 0.3308, 0.3883 by changing the saturation by 10% instead.

 46.5568, 0.3308,
0.3883

 46.5568, 0.3308,
0.3883

373.0427, 0.3222,
0.3579

 32.6854, 0.3328,
0.3961


 85.0517, 0.3278,
0.3771

 21.8856, 0.3352,
0.4063


 110.4440, 0.3266,
0.3729

 13.7728, 0.3382,
0.4199


140.4454, 0.3256,
0.3694

 7.9628, 0.3418,
0.4394

175.4403, 0.3248,
0.3664

 4.0712, 0.3462,
0.4688

215.8131, 0.3240,
0.3639

 1.7135, 0.3655,
0.5412

261.9481, 0.3233,

 0.4324, 0.1427,

0.3616

0.8573

314.2299, 0.3228,
0.3596

0.0000, 0.0000,
0.0000

46.5568, 0.3308,
0.3883

46.5568, 0.3308,
0.3883

45.1726, 0.3382,
0.4166

48.0939, 0.3229,
0.3613

43.9295, 0.3448,
0.4453

49.7832, 0.3150,
0.3359

42.8237, 0.3502,
0.4734


51.6315, 0.3072,
0.3126


41.8483, 0.3538,
0.4997

53.6438, 0.2996,
0.2914


40.9962, 0.3552,
0.5227


55.8245, 0.2925,
0.2722


 40.2592, 0.3544,
0.5413

 57.9961, 0.2876,
0.2576

 39.6274, 0.3512,
0.5547

 59.2376, 0.2934,
0.2588

 39.2293, 0.3480,
0.5619

 60.5379, 0.2993,
0.2600

 61.8976, 0.3052,
0.2612

Harmonies

Analogous

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



46.5568, 0.3607, 0.3859



46.5568, 0.3308, 0.3883



46.5568, 0.2971, 0.3722

Triad

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



46.5568, 0.3308, 0.3883



46.5568, 0.2510, 0.2860



46.5568, 0.3577, 0.3142

Complementary

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



46.5568, 0.3308, 0.3883



31.6727, 0.2911, 0.2687

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.



46.5568, 0.3260, 0.2908



46.5568, 0.3308, 0.3883



46.5568, 0.2652, 0.2744

Square

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



46.5568, 0.3308, 0.3883



46.5568, 0.2522, 0.3105



46.5568, 0.2921, 0.2765



46.5568, 0.3772, 0.3419

Rectangle

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



46.5568, 0.3308, 0.3883



46.5568, 0.2771, 0.3533



46.5568, 0.2921, 0.2765



46.5568, 0.3481, 0.3057

Sweetspot

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



46.5588, 0.3308, 0.3883



88.8752, 0.3184, 0.3464



38.9035, 0.3537, 0.3534



19.0727, 0.3188, 0.3479



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.



46.5588, 0.3308, 0.3883



83.1847, 0.3343, 0.4011



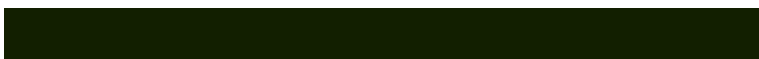
44.3683, 0.3127, 0.3917



10.9155, 0.3201, 0.3521



26.7479, 0.3489, 0.5612



1.0854, 0.3656, 0.5479

Inverse Universe

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



31.6727, 0.2911, 0.2687



51.8901, 0.2859, 0.2554



34.1236, 0.3118, 0.2723



9.4159, 0.3048, 0.3057



3.6441, 0.1889, 0.0814



0.1813, 0.2171, 0.0970

Previews

White Background



This preview shows how the Yxy color 46.5568, 0.3308, 0.3883 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 46.5568, 0.3308, 0.3883 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

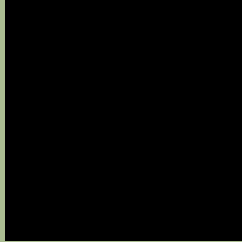
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

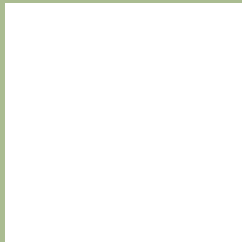
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 46.5568, 0.3308, 0.3883

Background



This preview shows how black text looks on a background with the Yxy color 46.5568, 0.3308, 0.3883.



This preview shows how white text looks on a background with the Yxy color 46.5568, 0.3308, 0.3883.

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

46.5568, 0.3308, 0.3883

Protanopia

46.3382, 0.3558, 0.3799

Deuteranopia

46.1119, 0.3688, 0.3614



Tritanopia

46.3804, 0.2978, 0.3096

Trichromacy



Original Color

46.5568, 0.3308, 0.3883

Protanomaly

46.5784, 0.3467, 0.3835

Deuteranomaly

45.9489, 0.3540, 0.3706

Tritanomaly

46.4540, 0.3098, 0.3383

Monochromacy



Original Color

46.5568, 0.3308, 0.3883

Achromatopsia

44.5201, 0.3127, 0.3290

Achromatomaly

45.3230, 0.3194, 0.3506

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.5568, 0.3308, 0.3883 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, 188, 145)` looks like.

```
.text, #text, p{  
    color:rgb(170, 188, 145)  
}
```

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, 188, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 188, 145) }
```

Border

The CSS property to change the border of an element to Yxy 46.5568, 0.3308, 0.3883 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, 188, 145) }
```

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

```
.border{ border-color:rgb(170, 188, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 188, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 188, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 188, 145);  
box-shadow:4px 4px 4px 4px rgb(170, 188,  
145) }
```


Background

The CSS property to change the background color of an element to Yxy 46.5568, 0.3308, 0.3883 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 188, 145) }
```

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

```
.background{ background-color: rgb(170,  
188, 145) }
```

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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