

Converting Colors

$Yxy(45.0657, 0.3008, 0.4351)$

Have a look what the booklet for
Yxy(45.0657, 0.3008, 0.4351)
contains.

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Color

Yxy(44.8899, 0.3007, 0.4340)

Conversions

Conversions Part 1

Format	Color
Hex	76C480
RGB	118, 196, 128
RGB Percent	46%, 77%, 50%
CMY	0.5374, 0.2313, 0.4981
CMYK	0.40, 0.00, 0.35, 0.23
HSL	128°, 40%, 62%
HSV	128°, 40%, 77%
XYZ	31.1023, 44.8899, 27.4408
YIQ	164.9260, -24.6600, -37.6840

Conversions

Conversions Part 2

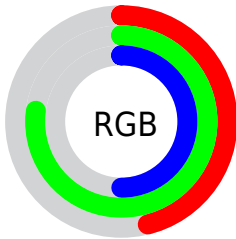
Format	Color
RYB	118, 187, 196
Decimal	7783552
CIELab	72.82, -38.29, 26.81
CIELCh	73, 46.741, 145.005
Yxy	44.8899, 0.3007, 0.4340
Android (android.graphics.Color)	4285973632 (0xFF76C480)
YUV	164.9260, -18.2045, -41.1541
Hunter-Lab	66.9999, -34.3877, 22.6169

Details

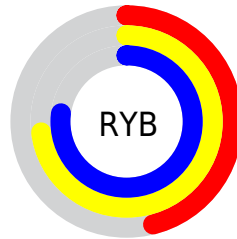
The Yxy color **44.8899, 0.3007, 0.4340** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **28.2295, 0.3279, 0.2429**, and the grayscale version is **37.6832, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.4710, 0.3041, 0.4132**, and **20.9860, 0.2944, 0.4693** is the 20% darker color. If you saturate the color by 10%, you get **43.2471, 0.2982, 0.4659**, and if you desaturate by 10%, it is **46.8973, 0.3036, 0.4037**.

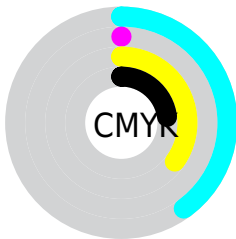
Distribution



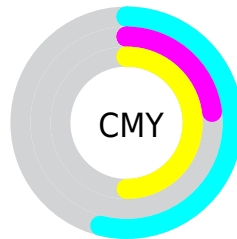
- Red (46%)
- Green (77%)
- Blue (50%)



- Red (46%)
- Yellow (73%)
- Blue (77%)



- Cyan (40%)
- Magenta (0%)
- Yellow (35%)
- Black (23%)





- Cyan (54%)
- Magenta (23%)
- Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 44.8899, 0.3007, 0.4340 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 44.8899, 0.3007, 0.4340 by changing the saturation by 10% instead.


 44.8899, 0.3007,
0.4340


 44.8899, 0.3007,
0.4340

366.3275, 0.3085,
0.3781


 31.3707, 0.2981,
0.4490


 82.5552, 0.3040,
0.4129

 20.8813, 0.2944,
0.4688

 107.4700, 0.3051,
0.4052

 13.0373, 0.2886,
0.4962


 136.9523, 0.3059,
0.3988

 7.4542, 0.2790,
0.5362

171.3862, 0.3066,
0.3934

 3.7477, 0.2610,
0.5989

211.1563, 0.3072,
0.3888

 1.5335, 0.2126,
0.7874

256.6470, 0.3077,

 0.3121, 0.0000,

0.3848

1.0000

308.2426, 0.3081,
0.3812

0.0000, 0.0000,
0.0000

44.8899, 0.3007,
0.4340

44.8899, 0.3007,
0.4340

43.2471, 0.2982,
0.4659

46.8973, 0.3036,
0.4037

41.9417, 0.2963,
0.4980

49.2834, 0.3066,
0.3758

40.9516, 0.2953,
0.5284


52.0685, 0.3097,
0.3508

40.2497, 0.2952,
0.5550


55.2698, 0.3128,
0.3286

39.8044, 0.2960,
0.5760

58.9033, 0.3157,
0.3093

 39.5595, 0.2973,
0.5903

 62.9844, 0.3184,
0.2926

 39.5559, 0.2974,
0.5905

 67.4957, 0.3208,
0.2781

 67.9649, 0.3154,
0.2713

Harmonies

Analogous

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



44.8899, 0.3647, 0.4499



44.8899, 0.3007, 0.4340



44.8899, 0.2432, 0.3776

Triad

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



44.8899, 0.3007, 0.4340



44.8899, 0.2123, 0.2307



44.8899, 0.4310, 0.3310

Complementary

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



44.8899, 0.3007, 0.4340



28.2295, 0.3279, 0.2429

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.



44.8899, 0.3811, 0.2842



44.8899, 0.3007, 0.4340



44.8899, 0.2529, 0.2288

Square

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



44.8899, 0.3007, 0.4340



44.8899, 0.1965, 0.2570



44.8899, 0.3138, 0.2480



44.8899, 0.4438, 0.3811

Rectangle

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



44.8899, 0.3007, 0.4340



44.8899, 0.2160, 0.3311



44.8899, 0.3138, 0.2480



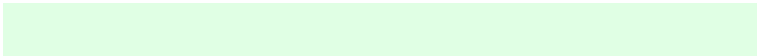
44.8899, 0.4178, 0.3146

Sweetspot

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



44.8918, 0.3007, 0.4340



93.0510, 0.3090, 0.3564



51.3449, 0.3636, 0.4294



19.7694, 0.3086, 0.3597



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



44.8918, 0.3007, 0.4340



78.6222, 0.2985, 0.4624



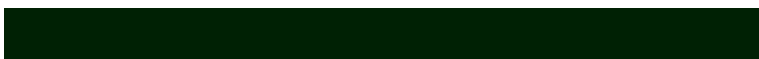
46.0903, 0.2763, 0.3735



11.2794, 0.3099, 0.3497



25.4204, 0.2969, 0.5890



1.1054, 0.2882, 0.5577

Inverse Universe

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



28.2295, 0.3279, 0.2429



44.1745, 0.3320, 0.2250



26.8191, 0.3729, 0.2893



10.2245, 0.3157, 0.3092



9.4348, 0.3558, 0.1734



0.4140, 0.3470, 0.1685

Previews

White Background



This preview shows how the Yxy color 44.8899, 0.3007, 0.4340 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 44.8899, 0.3007, 0.4340 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 44.8899, 0.3007, 0.4340

Background



This preview shows how black text looks on a background with the Yxy color 44.8899, 0.3007, 0.4340.



This preview shows how white text looks on a background with the Yxy color 44.8899, 0.3007, 0.4340.

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

44.8899, 0.3007, 0.4340

Protanopia

44.5343, 0.3754, 0.4048

Deuteranopia

44.0260, 0.3822, 0.3741



Tritanopia

44.7915, 0.2620, 0.3080

Trichromacy



Original Color

44.8899, 0.3007, 0.4340



Protanomaly

44.2350, 0.3450, 0.4164



Deuteranomaly

43.1362, 0.3489, 0.3941



Tritanomaly

44.5113, 0.2763, 0.3509

Monochromacy



Original Color

44.8899, 0.3007, 0.4340



Achromatopsia

37.6262, 0.3127, 0.3290



Achromatomaly

39.6136, 0.3076, 0.3647

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.8899, 0.3007, 0.4340 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(118, 196, 128)` looks like.

```
.text, #text, p{  
    color:rgb(118, 196, 128)  
}
```

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(118, 196, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 196, 128) }
```

Border

The CSS property to change the border of an element to Yxy 44.8899, 0.3007, 0.4340 is called "border". The border property can be set on classes, ids or directly on the HTML element.

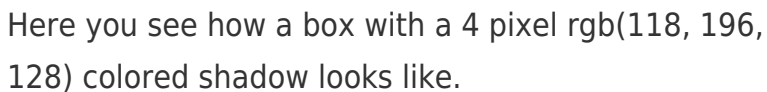
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(118, 196, 128) }
```

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

```
.border{ border-color:rgb(118, 196, 128) }
```

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



Here you see how a box with a 4 pixel `rgb(118, 196, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(118, 196, 128); -webkit-box-shadow:4px 4px 4px 4px rgb(118, 196, 128); box-shadow:4px 4px 4px 4px rgb(118, 196, 128) }
```


Background

The CSS property to change the background color of an element to Yxy 44.8899, 0.3007, 0.4340 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 196, 128) }
```

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

```
.background{ background-color: rgb(118,  
196, 128) }
```

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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