

Converting Colors

$Yxy(42.3145, 0.2805, 0.3753)$

Have a look what the booklet for
Yxy(42.3145, 0.2805, 0.3753)
contains.

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Color

Yxy(42.2866, 0.2805, 0.3750)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 76BC9E |
| RGB | 118, 188, 158 |
| RGB Percent | 46%, 74%, 62% |
| CMY | 0.5371, 0.2628, 0.3803 |
| CMYK | 0.37, 0.00, 0.16, 0.26 |
| HSL | 154°, 34%, 60% |
| HSV | 154°, 37%, 74% |
| XYZ | 31.6304, 42.2866, 38.8473 |
| YIQ | 163.6500, -32.0900, -24.1700 |

Conversions

Conversions Part 2

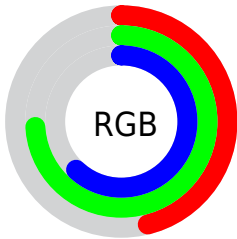
| Format | Color |
|-------------------------------------|--------------------------------|
| RYB | 118, 163, 188 |
| Decimal | 7781534 |
| CIELab | 71.07, -28.80, 8.27 |
| CIELCh | 71, 29.965, 163.985 |
| Yxy | 42.2866, 0.2805, 0.3750 |
| Android (android.graphics.Color) | 4285971614 (0xFF76BC9E) |
| YUV | 163.6500, -2.7854, -40.0350 |
| Hunter-Lab | 65.0281, -26.9750, 10.1003 |

Details

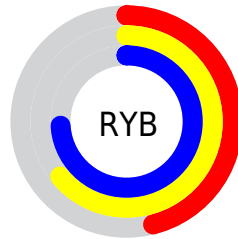
The Yxy color **42.2866, 0.2805, 0.3750** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **25.7958, 0.3633, 0.2877**, and the grayscale version is **36.9793, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.9931, 0.2868, 0.3660**, and **19.2355, 0.2698, 0.3885** is the 20% darker color. If you saturate the color by 10%, you get **40.8317, 0.2737, 0.3900**, and if you desaturate by 10%, it is **44.0255, 0.2883, 0.3610**.

Distribution



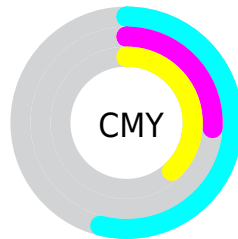
- Red (46%)
- Green (74%)
- Blue (62%)



- Red (46%)
- Yellow (64%)
- Blue (74%)



- Cyan (37%)
- Magenta (0%)
- Yellow (16%)
- Black (26%)





- Cyan (54%)
- Magenta (26%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.2866, 0.2805, 0.3750 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 42.2866, 0.2805, 0.3750 by changing the saturation by 10% instead.


 42.2866, 0.2805,
0.3750


 42.2866, 0.2805,
0.3750


355.6696, 0.2972,
0.3509

 29.3258, 0.2761,
0.3814


 78.6332, 0.2867,
0.3660

 19.3274, 0.2704,
0.3898


 102.7878, 0.2890,
0.3627

 11.9071, 0.2626,
0.4015


 131.4424, 0.2909,
0.3599

 6.6804, 0.2513,
0.4185

164.9814, 0.2925,
0.3576

 3.2631, 0.2335,
0.4460

203.7892, 0.2939,
0.3556

 1.2706, 0.1855,
0.5106

248.2503, 0.2952,

 0.1182, 0.0000,

0.3538

1.0000

298.7490, 0.2962,
0.3523

0.0000, 0.0000,
0.0000

42.2866, 0.2805,
0.3750

42.2866, 0.2805,
0.3750

40.8317, 0.2737,
0.3900

44.0255, 0.2883,
0.3610

39.6396, 0.2683,
0.4059

46.0579, 0.2969,
0.3482

38.6943, 0.2646,
0.4223


48.3991, 0.3060,
0.3366


37.9759, 0.2627,
0.4390


51.0621, 0.3153,
0.3262

37.4611, 0.2629,
0.4556

54.0587, 0.3247,
0.3170


 37.1174, 0.2649,
0.4717

 57.4005, 0.3339,
0.3088

 37.0354, 0.2656,
0.4762

 61.0983, 0.3429,
0.3016

 62.5245, 0.3407,
0.2940

 62.9682, 0.3343,
0.2861

Harmonies

Analogous

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



42.2866, 0.3223, 0.4024



42.2866, 0.2805, 0.3750



42.2866, 0.2487, 0.3333

Triad

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



42.2866, 0.2805, 0.3750



42.2866, 0.2609, 0.2592



42.2866, 0.3986, 0.3546

Complementary

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



42.2866, 0.2805, 0.3750



25.7958, 0.3633, 0.2877

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.



42.2866, 0.3801, 0.3197



42.2866, 0.2805, 0.3750



42.2866, 0.2983, 0.2669

Square

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



42.2866, 0.2805, 0.3750



42.2866, 0.2382, 0.2679



42.2866, 0.3424, 0.2886



42.2866, 0.3919, 0.3862

Rectangle

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



42.2866, 0.2805, 0.3750



42.2866, 0.2367, 0.3059



42.2866, 0.3424, 0.2886



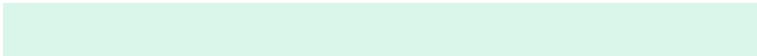
42.2866, 0.3951, 0.3430

Sweetspot

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



42.2883, 0.2805, 0.3750



85.9675, 0.3024, 0.3411



43.6029, 0.3322, 0.4320



18.3629, 0.3011, 0.3427



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.



42.2883, 0.2805, 0.3750



74.3630, 0.2746, 0.3877



41.4894, 0.2604, 0.3220



10.7385, 0.3040, 0.3390



25.2318, 0.2651, 0.4742



1.0012, 0.2543, 0.4356

Inverse Universe

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



25.7958, 0.3633, 0.2877



39.9756, 0.3804, 0.2783



26.0921, 0.3997, 0.3358



9.6024, 0.3223, 0.3192



7.6937, 0.5232, 0.2656



0.3145, 0.4629, 0.2324

Previews

White Background



This preview shows how the Yxy color 42.2866, 0.2805, 0.3750 looks on a white background.

Color Contrast Check

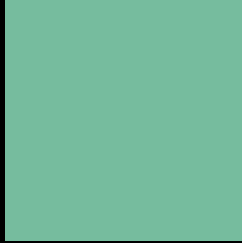
Large Text (above 18pt) WCAG AA × Fail

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 42.2866, 0.2805, 0.3750 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 42.2866, 0.2805, 0.3750

Background



This preview shows how black text looks on a background with the Yxy color 42.2866, 0.2805, 0.3750.



This preview shows how white text looks on a background with the Yxy color 42.2866, 0.2805, 0.3750.

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

42.2866, 0.2805, 0.3750

Protanopia

42.0342, 0.3407, 0.3604

Deuteranopia

41.7154, 0.3426, 0.3356



Tritanopia

42.4102, 0.2605, 0.3089

Trichromacy



Original Color

42.2866, 0.2805, 0.3750

Protanomaly

41.5116, 0.3162, 0.3650

Deuteranomaly

41.3401, 0.3162, 0.3487

Tritanomaly

42.4019, 0.2677, 0.3318

Monochromacy



Original Color

42.2866, 0.2805, 0.3750

Achromatopsia

37.1238, 0.3127, 0.3290

Achromatomaly

38.6988, 0.2989, 0.3453

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.2866, 0.2805, 0.3750 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, 188, 158)` looks like.

```
.text, #text, p{  
    color:rgb(118, 188, 158)  
}
```

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, 188, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 188, 158) }
```

Border

The CSS property to change the border of an element to Yxy 42.2866, 0.2805, 0.3750 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, 188, 158) }
```

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

```
.border{ border-color:rgb(118, 188, 158) }
```

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

Here you see how a box with a 4 pixel rgb(118, 188, 158) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 188, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 188, 158);  
box-shadow:4px 4px 4px 4px rgb(118, 188,  
158) }
```


Background

The CSS property to change the background color of an element to Yxy 42.2866, 0.2805, 0.3750 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 188, 158) }
```

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

```
.background{ background-color: rgb(118,  
188, 158) }
```

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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