

Converting Colors

$Y_{xy}(40.9248, 0.2866, 0.3678)$

Have a look what the booklet for
Yxy(40.9248, 0.2866, 0.3678)
contains.

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Color

Yxy(40.8476, 0.2863, 0.3671)

Conversions

Conversions Part 1

Format	Color
Hex	7FB79E
RGB	127, 183, 158
RGB Percent	50%, 72%, 62%
CMY	0.5020, 0.2823, 0.3803
CMYK	0.31, 0.00, 0.14, 0.28
HSL	153°, 28%, 61%
HSV	153°, 31%, 72%
XYZ	31.8569, 40.8476, 38.5665
YIQ	163.4060, -25.3510, -19.6470

Conversions

Conversions Part 2

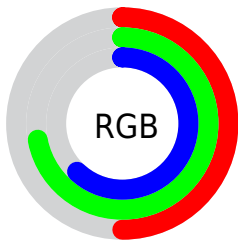
Format	Color
RYB	127, 163, 183
Decimal	8370078
CIELab	70.07, -23.67, 6.89
CIELCh	70, 24.653, 163.778
Yxy	40.8476, 0.2863, 0.3671
Android (android.graphics.Color)	4286560158 (0xFF7FB79E)
YUV	163.4060, -2.6652, -31.9281
Hunter-Lab	63.9121, -22.8732, 8.9611

Details

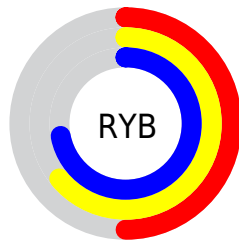
The Yxy color **40.8476, 0.2863, 0.3671** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **27.5065, 0.3504, 0.2940**, and the grayscale version is **36.8492, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.3609, 0.2911, 0.3590**, and **18.5633, 0.2781, 0.3792** is the 20% darker color. If you saturate the color by 10%, you get **39.2980, 0.2790, 0.3820**, and if you desaturate by 10%, it is **42.6744, 0.2945, 0.3534**.

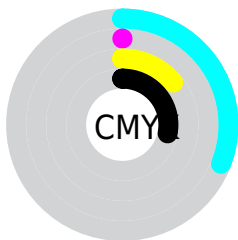
Distribution



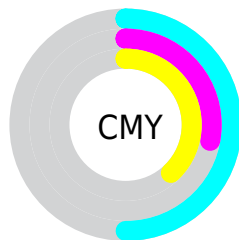
- Red (50%)
- Green (72%)
- Blue (62%)



- Red (50%)
- Yellow (64%)
- Blue (72%)



- Cyan (31%)
- Magenta (0%)
- Yellow (14%)
- Black (28%)





- Cyan (50%)
- Magenta (28%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 40.8476, 0.2863, 0.3671 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 40.8476, 0.2863, 0.3671 by changing the saturation by 10% instead.


 40.8476, 0.2863,
0.3671


 40.8476, 0.2863,
0.3671


349.6833, 0.3000,
0.3471

 28.2000, 0.2827,
0.3724


 76.4525, 0.2914,
0.3596

 18.4765, 0.2780,
0.3794


 100.1786, 0.2933,
0.3569

 11.2926, 0.2715,
0.3891


 128.3663, 0.2949,
0.3546

 6.2640, 0.2620,
0.4034

161.4001, 0.2962,
0.3526

 3.0063, 0.2470,
0.4265

199.6643, 0.2974,
0.3510

 1.1350, 0.2051,
0.4832

243.5433, 0.2984,

 0.0076, 0.0000,

0.3495

1.0000

293.4215, 0.2992,
0.3483

0.0000, 0.0000,
0.0000

40.8476, 0.2863,
0.3671

40.8476, 0.2863,
0.3671

39.2980, 0.2790,
0.3820

42.6744, 0.2945,
0.3534

38.0063, 0.2728,
0.3980

44.7866, 0.3032,
0.3409

36.9588, 0.2680,
0.4147


47.1980, 0.3122,
0.3297

36.1383, 0.2650,
0.4320


49.9201, 0.3212,
0.3196


35.5250, 0.2640,
0.4494

52.9640, 0.3302,
0.3108

 35.0960, 0.2649,
0.4664

 56.3400, 0.3390,
0.3030

 34.8173, 0.2672,
0.4819

 60.0424, 0.3475,
0.2961

 60.4727, 0.3408,
0.2881

 60.9241, 0.3342,
0.2802

Harmonies

Analogous

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



40.8476, 0.3215, 0.3895



40.8476, 0.2863, 0.3671



40.8476, 0.2592, 0.3332

Triad

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



40.8476, 0.2863, 0.3671



40.8476, 0.2691, 0.2701



40.8476, 0.3840, 0.3510

Complementary

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



40.8476, 0.2863, 0.3671



27.5065, 0.3504, 0.2940

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.



40.8476, 0.3685, 0.3214



40.8476, 0.2863, 0.3671



40.8476, 0.3007, 0.2765

Square

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



40.8476, 0.2863, 0.3671



40.8476, 0.2499, 0.2781



40.8476, 0.3374, 0.2948



40.8476, 0.3789, 0.3772

Rectangle

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



40.8476, 0.2863, 0.3671



40.8476, 0.2489, 0.3105



40.8476, 0.3374, 0.2948



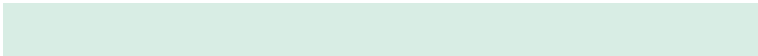
40.8476, 0.3810, 0.3412

Sweetspot

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



40.8493, 0.2863, 0.3671



80.8060, 0.3045, 0.3392



42.0948, 0.3300, 0.4116



17.7164, 0.3032, 0.3409



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.



40.8493, 0.2863, 0.3671



71.1619, 0.2811, 0.3774



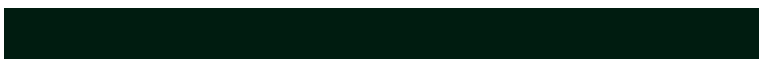
40.6545, 0.2689, 0.3247



10.1412, 0.3043, 0.3394



24.3015, 0.2667, 0.4800



0.8690, 0.2547, 0.4368

Inverse Universe

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



27.5065, 0.3504, 0.2940



43.3067, 0.3624, 0.2857



27.5064, 0.3793, 0.3332



9.0770, 0.3220, 0.3189



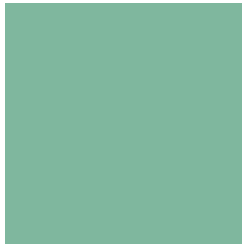
7.4570, 0.5158, 0.2615



0.2754, 0.4530, 0.2269

Previews

White Background



This preview shows how the Yxy color 40.8476, 0.2863, 0.3671 looks on a white background.

Color Contrast Check

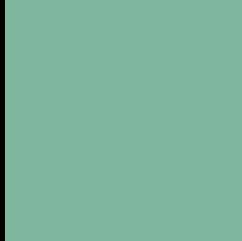
Large Text (above 18pt) WCAG AA × Fail

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 40.8476, 0.2863, 0.3671 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 40.8476, 0.2863, 0.3671

Background



This preview shows how black text looks on a background with the Yxy color 40.8476, 0.2863, 0.3671.



This preview shows how white text looks on a background with the Yxy color 40.8476, 0.2863, 0.3671.

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

40.8476, 0.2863, 0.3671

Protanopia

40.4488, 0.3366, 0.3553

Deuteranopia

40.4661, 0.3392, 0.3331



Tritanopia

40.7149, 0.2675, 0.3088

Trichromacy



Original Color

40.8476, 0.2863, 0.3671

Protanomaly

40.3640, 0.3157, 0.3594

Deuteranomaly

40.2937, 0.3174, 0.3445

Tritanomaly

40.7631, 0.2737, 0.3289

Monochromacy



Original Color

40.8476, 0.2863, 0.3671

Achromatopsia

36.6253, 0.3127, 0.3290

Achromatomaly

37.8067, 0.3023, 0.3423

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.8476, 0.2863, 0.3671 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(127, 183, 158)` looks like.

```
.text, #text, p{  
    color:rgb(127, 183, 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(127, 183, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 183, 158) }
```

Border

The CSS property to change the border of an element to Yxy 40.8476, 0.2863, 0.3671 is called "border". The border property can be set on classes, ids or directly on the HTML element.

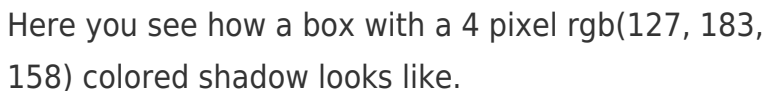
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(127, 183, 158) }
```

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

```
.border{ border-color:rgb(127, 183, 158) }
```

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



Here you see how a box with a 4 pixel `rgb(127, 183, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 183, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 183, 158);  
box-shadow:4px 4px 4px 4px rgb(127, 183,  
158) }
```


Background

The CSS property to change the background color of an element to Yxy 40.8476, 0.2863, 0.3671 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 183, 158) }
```

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

```
.background{ background-color: rgb(127,  
183, 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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