

Converting Colors

$Y_{xy}(40.7480, 0.2889, 0.3710)$

Have a look what the booklet for
Yxy(40.7480, 0.2889, 0.3710)
contains.

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Color

Yxy(40.8227, 0.2892, 0.3718)

Conversions

Conversions Part 1

Format	Color
Hex	80B79B
RGB	128, 183, 155
RGB Percent	50%, 72%, 61%
CMY	0.4980, 0.2823, 0.3921
CMYK	0.30, 0.00, 0.15, 0.28
HSL	149°, 28%, 61%
HSV	149°, 30%, 72%
XYZ	31.7534, 40.8227, 37.2213
YIQ	163.3630, -23.7920, -20.3680

Conversions

Conversions Part 2

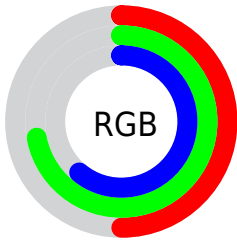
Format	Color
R _Y B	128, 165, 183
Decimal	8435611
CIE Lab	70.05, -23.97, 8.52
CIE LCh	70, 25.442, 160.430
Yxy	40.8227, 0.2892, 0.3718
Android (android.graphics.Color)	4286625691 (0xFF80B79B)
YUV	163.3630, -4.1230, -31.0134
Hunter-Lab	63.8926, -23.1010, 10.1848

Details

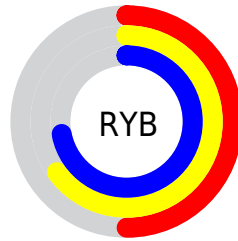
The Yxy color **40.8227, 0.2892, 0.3718** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **27.9081, 0.3455, 0.2900**, and the grayscale version is **36.8365, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.2815, 0.2940, 0.3637**, and **18.5425, 0.2818, 0.3859** is the 20% darker color. If you saturate the color by 10%, you get **39.2298, 0.2825, 0.3889**, and if you desaturate by 10%, it is **42.6990, 0.2967, 0.3561**.

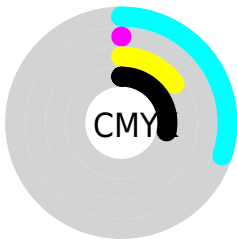
Distribution



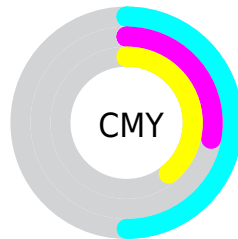
- Red (50%)
- Green (72%)
- Blue (61%)



- Red (50%)
- Yellow (65%)
- Blue (72%)



- Cyan (30%)
- Magenta (0%)
- Yellow (15%)
- Black (28%)




- Cyan (50%)
- Magenta (28%)
- Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.8227, 0.2892, 0.3718 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 40.8227, 0.2892, 0.3718 by changing the saturation by 10% instead.


 40.8227, 0.2892,
0.3718


 40.8227, 0.2892,
0.3718


349.5790, 0.3015,
0.3493

 28.1806, 0.2859,
0.3778


 76.4147, 0.2938,
0.3633

 18.4618, 0.2816,
0.3858


 100.1333, 0.2955,
0.3603

 11.2821, 0.2757,
0.3968


 128.3129, 0.2969,
0.3577

 6.2569, 0.2669,
0.4131

161.3378, 0.2981,
0.3555

 3.0019, 0.2528,
0.4396

199.5925, 0.2991,
0.3536

 1.1327, 0.2127,
0.5100

243.4614, 0.3000,

 0.0057, 0.0000,

0.3520

1.0000

293.3287, 0.3008,
0.3506

0.0000, 0.0000,
0.0000

40.8227, 0.2892,
0.3718

40.8227, 0.2892,
0.3718

39.2298, 0.2825,
0.3889

42.6990, 0.2967,
0.3561

37.9011, 0.2768,
0.4073

44.8670, 0.3046,
0.3418

36.8224, 0.2725,
0.4266

47.3406, 0.3127,
0.3291

35.9766, 0.2699,
0.4464

50.1317, 0.3208,
0.3177

35.3440, 0.2692,
0.4662

53.2512, 0.3289,
0.3077

■ 34.9015, 0.2705,
0.4854

■ 56.7096, 0.3367,
0.2989

■ 34.6035, 0.2732,
0.5036

■ 60.3060, 0.3433,
0.2911

■ 60.8140, 0.3357,
0.2820

■ 61.3499, 0.3283,
0.2732

Harmonies

Analogous

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



40.8227, 0.3258, 0.3929



40.8227, 0.2892, 0.3718



40.8227, 0.2600, 0.3374

Triad

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



40.8227, 0.2892, 0.3718



40.8227, 0.2648, 0.2685



40.8227, 0.3856, 0.3482

Complementary

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



40.8227, 0.2892, 0.3718



27.9081, 0.3455, 0.2900

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.



40.8227, 0.3674, 0.3178



40.8227, 0.2892, 0.3718



40.8227, 0.2962, 0.2735

Square

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



40.8227, 0.2892, 0.3718



40.8227, 0.2467, 0.2783



40.8227, 0.3340, 0.2912



40.8227, 0.3826, 0.3760

Rectangle

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



40.8227, 0.2892, 0.3718



40.8227, 0.2482, 0.3135



40.8227, 0.3340, 0.2912



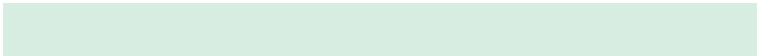
40.8227, 0.3817, 0.3380

Sweetspot

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



40.8244, 0.2892, 0.3718



80.7315, 0.3053, 0.3406



42.5363, 0.3330, 0.4091



17.6975, 0.3041, 0.3426



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.



40.8244, 0.2892, 0.3718



71.1906, 0.2847, 0.3829



41.8383, 0.2706, 0.3302



10.1317, 0.3051, 0.3409



24.1533, 0.2726, 0.5015



0.8640, 0.2592, 0.4532

Inverse Universe

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



27.9081, 0.3455, 0.2900



44.3646, 0.3552, 0.2812



27.0908, 0.3777, 0.3279



9.0865, 0.3210, 0.3174



7.5900, 0.4894, 0.2470



0.2800, 0.4348, 0.2169

Previews

White Background



This preview shows how the Yxy color 40.8227, 0.2892, 0.3718 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 40.8227, 0.2892, 0.3718 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

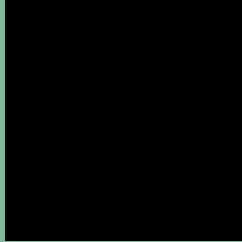
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.8227, 0.2892, 0.3718

Background



This preview shows how black text looks on a background with the Yxy color 40.8227, 0.2892, 0.3718.



This preview shows how white text looks on a background with the Yxy color 40.8227, 0.2892, 0.3718.

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

40.8227, 0.2892, 0.3718

Protanopia

40.4713, 0.3403, 0.3595

Deuteranopia

40.4898, 0.3429, 0.3370



Tritanopia

40.8808, 0.2689, 0.3089

Trichromacy



Original Color

40.8227, 0.2892, 0.3718

Protanomaly

40.3679, 0.3191, 0.3637

Deuteranomaly

40.2985, 0.3209, 0.3488

Tritanomaly

40.8837, 0.2758, 0.3304

Monochromacy



Original Color

40.8227, 0.2892, 0.3718

Achromatopsia

36.6253, 0.3127, 0.3290

Achromatomaly

37.7715, 0.3031, 0.3438

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.8227, 0.2892, 0.3718 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(128, 183, 155)` looks like.

```
.text, #text, p{  
    color:rgb(128, 183, 155)  
}
```

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(128, 183, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 183, 155) }
```

Border

The CSS property to change the border of an element to Yxy 40.8227, 0.2892, 0.3718 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(128, 183, 155) }
```

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

```
.border{ border-color:rgb(128, 183, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 183, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 183, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 183, 155);  
box-shadow:4px 4px 4px 4px rgb(128, 183,  
155) }
```


Background

The CSS property to change the background color of an element to Yxy 40.8227, 0.2892, 0.3718 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 183, 155) }
```

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

```
.background{ background-color: rgb(128,  
183, 155) }
```

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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