

Converting Colors

$Yxy(40.0858, 0.3072, 0.4282)$

Have a look what the booklet for
Yxy(40.0858, 0.3072, 0.4282)
contains.

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Color

Yxy(40.1680, 0.3072, 0.4293)

Conversions

Conversions Part 1

Format	Color
Hex	79B97A
RGB	121, 185, 122
RGB Percent	47%, 73%, 48%
CMY	0.5256, 0.2745, 0.5215
CMYK	0.35, 0.00, 0.34, 0.27
HSL	121°, 31%, 60%
HSV	121°, 35%, 73%
XYZ	28.7436, 40.1680, 24.6547
YIQ	158.6820, -17.9210, -33.1610

Conversions

Conversions Part 2

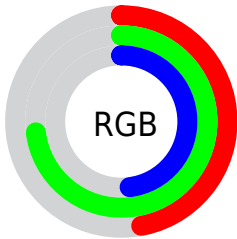
Format	Color
RYB	121, 184, 185
Decimal	7977338
CIELab	69.59, -33.31, 25.67
CIELCh	70, 42.048, 142.382
Yxy	40.1680, 0.3072, 0.4293
Android (android.graphics.Color)	4286167418 (0xFF79B97A)
YUV	158.6820, -18.0842, -33.0471
Hunter-Lab	63.3782, -29.9578, 21.3004

Details

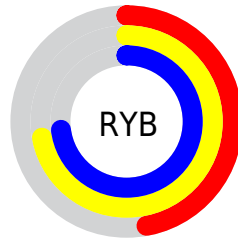
The Yxy color $40.1680, 0.3072, 0.4293$ is a dark color, and the websafe version is hex $99CC99$. A complement of this color would be $27.4399, 0.3178, 0.2457$, and the grayscale version is $34.6060, 0.3127, 0.3290$.

A 20% lighter version of the original color is $75.1197, 0.3090, 0.4081$, and $17.9788, 0.3026, 0.4621$ is the 20% darker color. If you saturate the color by 10%, you get $38.5496, 0.3054, 0.4640$, and if you desaturate by 10%, it is $42.1306, 0.3089, 0.3965$.

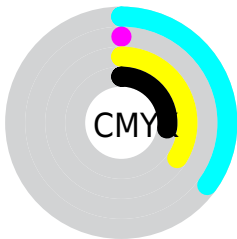
Distribution



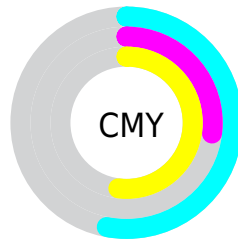
- Red (47%)
- Green (73%)
- Blue (48%)



- Red (47%)
- Yellow (72%)
- Blue (73%)



- Cyan (35%)
- Magenta (0%)
- Yellow (34%)
- Black (27%)





- Cyan (53%)
- Magenta (27%)
- Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 40.1680, 0.3072, 0.4293 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 40.1680, 0.3072, 0.4293 by changing the saturation by 10% instead.


 40.1680, 0.3072,
0.4293


 40.1680, 0.3072,
0.4293


346.8312, 0.3116,
0.3752

 27.6696, 0.3054,
0.4441


 75.4193, 0.3092,
0.4087

 18.0767, 0.3027,
0.4639


 98.9409, 0.3099,
0.4012

 11.0051, 0.2982,
0.4916


 126.9057, 0.3104,
0.3950

 6.0703, 0.2901,
0.5327

159.6980, 0.3107,
0.3898

 2.8878, 0.2760,
0.6052

197.7024, 0.3110,
0.3854

 1.0735, 0.1543,
0.8457


241.3031, 0.3112,


 0.0000, 0.0000,


0.3815


0.0000

290.8845, 0.3114,
0.3782

 40.1680, 0.3072,
0.4293


 40.1680, 0.3072,
0.4293


 38.5496, 0.3054,
0.4640


 42.1306, 0.3089,
0.3965


 37.2507, 0.3037,
0.4991


 44.4502, 0.3106,
0.3667


 36.2519, 0.3022,
0.5321

 47.1450, 0.3121,
0.3401


 35.5290, 0.3010,
0.5605


 50.2307, 0.3134,
0.3169


 35.0544, 0.3002,
0.5818


 53.7221, 0.3146,
0.2968

 34.7949, 0.2999,
0.5947

 57.6330, 0.3157,
0.2796

 34.7086, 0.2997,
0.5990

 61.9768, 0.3166,
0.2648

 63.1820, 0.3159,
0.2605

Harmonies

Analogous

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



40.1680, 0.3670, 0.4411



40.1680, 0.3072, 0.4293



40.1680, 0.2519, 0.3797

Triad

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



40.1680, 0.3072, 0.4293



40.1680, 0.2160, 0.2378



40.1680, 0.4202, 0.3273

Complementary

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



40.1680, 0.3072, 0.4293



27.4399, 0.3178, 0.2457

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.



40.1680, 0.3715, 0.2835



40.1680, 0.3072, 0.4293



40.1680, 0.2525, 0.2339

Square

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



40.1680, 0.3072, 0.4293



40.1680, 0.2030, 0.2652



40.1680, 0.3085, 0.2504



40.1680, 0.4358, 0.3748

Rectangle

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



40.1680, 0.3072, 0.4293



40.1680, 0.2248, 0.3369



40.1680, 0.3085, 0.2504



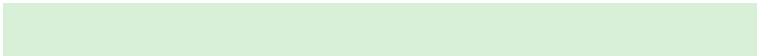
40.1680, 0.4069, 0.3119

Sweetspot

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



40.1697, 0.3072, 0.4293



81.6658, 0.3113, 0.3544



46.3970, 0.3641, 0.4139



17.4630, 0.3111, 0.3582



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.



40.1697, 0.3072, 0.4293



69.5485, 0.3058, 0.4572



41.0636, 0.2856, 0.3786



10.0624, 0.3114, 0.3522



23.6318, 0.2996, 0.5987



0.8339, 0.2982, 0.5935

Inverse Universe

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



27.4399, 0.3178, 0.2457



43.1213, 0.3190, 0.2273



26.2805, 0.3529, 0.2846



9.1601, 0.3140, 0.3068



9.3228, 0.3250, 0.1564



0.3295, 0.3239, 0.1558

Previews

White Background



This preview shows how the Yxy color 40.1680, 0.3072, 0.4293 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 40.1680, 0.3072, 0.4293 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 40.1680, 0.3072, 0.4293

Background



This preview shows how black text looks on a background with the Yxy color 40.1680, 0.3072, 0.4293.



This preview shows how white text looks on a background with the Yxy color 40.1680, 0.3072, 0.4293.

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

40.1680, 0.3072, 0.4293

Protanopia

39.6810, 0.3740, 0.4031

Deuteranopia

39.5151, 0.3824, 0.3749



Tritanopia

39.8806, 0.2678, 0.3073

Trichromacy



Original Color

40.1680, 0.3072, 0.4293

Protanomaly

39.4415, 0.3464, 0.4128

Deuteranomaly

38.8880, 0.3528, 0.3935

Tritanomaly

39.6605, 0.2818, 0.3486

Monochromacy



Original Color

40.1680, 0.3072, 0.4293

Achromatopsia

34.6704, 0.3127, 0.3290

Achromatomaly

36.1003, 0.3102, 0.3628

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.1680, 0.3072, 0.4293 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(121, 185, 122)` looks like.

```
.text, #text, p{  
    color:rgb(121, 185, 122)  
}
```

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(121, 185, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 185, 122) }
```

Border

The CSS property to change the border of an element to Yxy 40.1680, 0.3072, 0.4293 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(121, 185, 122) }
```

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

```
.border{ border-color:rgb(121, 185, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(121, 185, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 185, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 185, 122);  
box-shadow:4px 4px 4px 4px rgb(121, 185,  
122) }
```


Background

The CSS property to change the background color of an element to Yxy 40.1680, 0.3072, 0.4293 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 185, 122) }
```

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

```
.background{ background-color: rgb(121,  
185, 122) }
```

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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