

Converting Colors

$Yxy(40.0506, 0.3078, 0.4327)$

Have a look what the booklet for
Yxy(40.0506, 0.3078, 0.4327)
contains.

Yxy(40.0471, 0.3078, 0.4328)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(40.0471, 0.3078, 0.4328)

Conversions

Conversions Part 1

Format	Color
Hex	78B978
RGB	120, 185, 120
RGB Percent	47%, 73%, 47%
CMY	0.5296, 0.2745, 0.5294
CMYK	0.35, 0.00, 0.35, 0.27
HSL	120°, 32%, 60%
HSV	120°, 35%, 73%
XYZ	28.4808, 40.0471, 24.0024
YIQ	158.1550, -17.8750, -33.9950

Conversions

Conversions Part 2

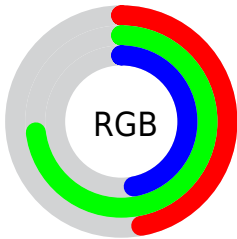
Format	Color
RYB	120, 185, 185
Decimal	7911800
CIELab	69.50, -33.96, 26.60
CIELCh	70, 43.140, 141.928
Yxy	40.0471, 0.3078, 0.4328
Android (android.graphics.Color)	4286101880 (0xFF78B978)
YUV	158.1550, -18.8104, -33.4619
Hunter-Lab	63.2828, -30.4098, 21.8100

Details

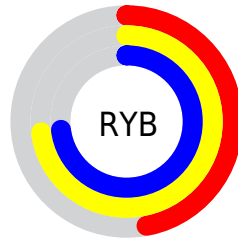
The Yxy color $40.0471, 0.3078, 0.4328$ is a dark color, and the websafe version is hex $99CC99$. A complement of this color would be $27.2385, 0.3168, 0.2433$, and the grayscale version is $34.3561, 0.3127, 0.3290$.

A 20% lighter version of the original color is $74.9264, 0.3095, 0.4108$, and $17.9165, 0.3034, 0.4671$ is the 20% darker color. If you saturate the color by 10%, you get $38.4455, 0.3061, 0.4681$, and if you desaturate by 10%, it is $41.9942, 0.3094, 0.3994$.

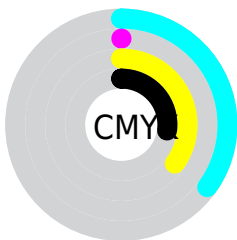
Distribution



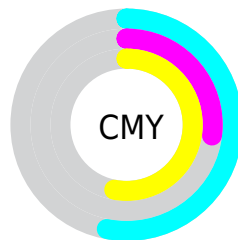
- Red (47%)
- Green (73%)
- Blue (47%)



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



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




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

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.0471, 0.3078, 0.4328 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 40.0471, 0.3078, 0.4328 by changing the saturation by 10% instead.


 40.0471, 0.3078,
0.4328


 40.0471, 0.3078,
0.4328


346.3221, 0.3120,
0.3767

 27.5753, 0.3060,
0.4482


 75.2352, 0.3098,
0.4114

 18.0057, 0.3033,
0.4687


 98.7203, 0.3104,
0.4037

 10.9541, 0.2987,
0.4974

 126.6453, 0.3109,
0.3973

 6.0360, 0.2902,
0.5401

159.3945, 0.3112,
0.3919

 2.8670, 0.2765,
0.6177

197.3524, 0.3115,
0.3873

 1.0627, 0.1385,
0.8615

240.9034, 0.3117,

 0.0000, 0.0000,


0.3833


0.0000


290.4318, 0.3119,
0.3798


 40.0471, 0.3078,
0.4328


 40.0471, 0.3078,
0.4328


 38.4455, 0.3061,
0.4681


 41.9942, 0.3094,
0.3994


 37.1646, 0.3045,
0.5034


 44.3000, 0.3108,
0.3688

 36.1843, 0.3029,
0.5364

 46.9831, 0.3121,
0.3417

 35.4801, 0.3016,
0.5641


 50.0593, 0.3132,
0.3179

 35.0236, 0.3007,
0.5844


 53.5435, 0.3142,
0.2974

 34.7802, 0.3002,
0.5961

 57.4500, 0.3151,
0.2797

 34.7029, 0.3000,
0.5999

 61.7921, 0.3158,
0.2646

 63.1825, 0.3159,
0.2605

Harmonies

Analogous

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



40.0471, 0.3691, 0.4440



40.0471, 0.3078, 0.4328



40.0471, 0.2510, 0.3821

Triad

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



40.0471, 0.3078, 0.4328



40.0471, 0.2133, 0.2358



40.0471, 0.4226, 0.3263

Complementary

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



40.0471, 0.3078, 0.4328



27.2385, 0.3168, 0.2433

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.



40.0471, 0.3721, 0.2817



40.0471, 0.3078, 0.4328



40.0471, 0.2502, 0.2316

Square

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



40.0471, 0.3078, 0.4328



40.0471, 0.2005, 0.2640



40.0471, 0.3073, 0.2482



40.0471, 0.4391, 0.3748

Rectangle

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



40.0471, 0.3078, 0.4328



40.0471, 0.2230, 0.3380



40.0471, 0.3073, 0.2482



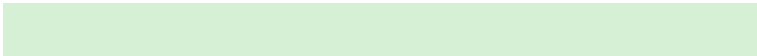
40.0471, 0.4088, 0.3107

Sweetspot

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



40.0488, 0.3078, 0.4328



81.1619, 0.3114, 0.3576



46.3731, 0.3649, 0.4152



17.3614, 0.3112, 0.3613



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.



40.0488, 0.3078, 0.4328



69.5025, 0.3066, 0.4593



40.9752, 0.2852, 0.3795



10.0603, 0.3116, 0.3526



23.6265, 0.3000, 0.5999



0.8329, 0.2999, 0.5996

Inverse Universe

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



27.2385, 0.3168, 0.2433



43.2135, 0.3176, 0.2260



26.0206, 0.3537, 0.2838



9.1626, 0.3138, 0.3065



9.4033, 0.3211, 0.1543



0.3315, 0.3211, 0.1542

Previews

White Background



This preview shows how the Yxy color 40.0471, 0.3078, 0.4328 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 40.0471, 0.3078, 0.4328 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 40.0471, 0.3078, 0.4328

Background



This preview shows how black text looks on a background with the Yxy color 40.0471, 0.3078, 0.4328.



This preview shows how white text looks on a background with the Yxy color 40.0471, 0.3078, 0.4328.

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

40.0471, 0.3078, 0.4328

Protanopia

39.6355, 0.3757, 0.4058

Deuteranopia

39.6007, 0.3853, 0.3773



Tritanopia

39.7549, 0.2678, 0.3086

Trichromacy



Original Color

40.0471, 0.3078, 0.4328



Protanomaly

39.3945, 0.3480, 0.4157



Deuteranomaly

38.8374, 0.3546, 0.3964



Tritanomaly

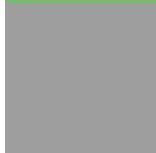
39.5460, 0.2818, 0.3502

Monochromacy



Original Color

40.0471, 0.3078, 0.4328



Achromatopsia

34.1914, 0.3127, 0.3290



Achromatomaly

35.9482, 0.3110, 0.3661

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.0471, 0.3078, 0.4328 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(120, 185, 120)` looks like.

```
.text, #text, p{  
    color:rgb(120, 185, 120)  
}
```

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(120, 185, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 185, 120) }
```

Border

The CSS property to change the border of an element to Yxy 40.0471, 0.3078, 0.4328 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(120, 185, 120) }
```

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

```
.border{ border-color:rgb(120, 185, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 185, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 185, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 185, 120);  
box-shadow:4px 4px 4px 4px rgb(120, 185,  
120) }
```


Background

The CSS property to change the background color of an element to Yxy 40.0471, 0.3078, 0.4328 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 185, 120) }
```

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

```
.background{ background-color: rgb(120,  
185, 120) }
```

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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