

Converting Colors

$Y_{xy}(41.4291, 0.3002, 0.5728)$

Have a look what the booklet for
Yxy(41.4291, 0.3002, 0.5728)
contains.

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Color

Yxy(41.4798, 0.3001, 0.5723)

Conversions

Conversions Part 1

Format	Color
Hex	28C72C
RGB	40, 199, 44
RGB Percent	16%, 78%, 17%
CMY	0.8435, 0.2196, 0.8272
CMYK	0.80, 0.00, 0.78, 0.22
HSL	122°, 67%, 47%
HSV	122°, 80%, 78%
XYZ	21.7510, 41.4798, 9.2483
YIQ	133.7890, -45.0090, -81.9130

Conversions

Conversions Part 2

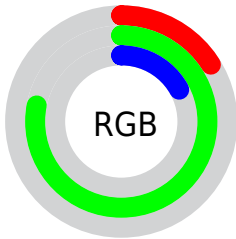
Format	Color
R_{YB}	40, 195, 199
Decimal	2672428
CIE _{Lab}	70.51, -67.06, 61.24
CIE _{LCh}	71, 90.815, 137.596
Yxy	41.4798, 0.3001, 0.5723
Android (android.graphics.Color)	4280862508 (0xFF28C72C)
YUV	133.7890, -44.2660, -82.2530
Hunter-Lab	64.4048, -52.4249, 36.5695

Details

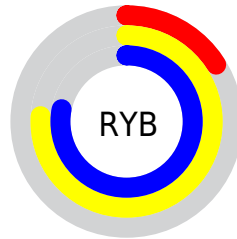
The Yxy color **41.4798, 0.3001, 0.5723** is a dark color, and the websafe version is hex **33CC33**. The color can be described as dark muted green. A complement of this color would be **17.5868, 0.3256, 0.1677**, and the grayscale version is **23.9289, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.1044, 0.3097, 0.5216**, and **19.6449, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **41.0677, 0.2997, 0.5894**, and if you desaturate by 10%, it is **42.1684, 0.3010, 0.5474**.

Distribution



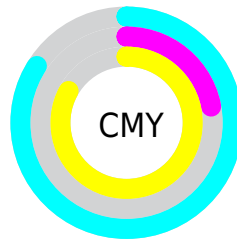
- Red (16%)
- Green (78%)
- Blue (17%)



- Red (16%)
- Yellow (76%)
- Blue (78%)



- Cyan (80%)
- Magenta (0%)
- Yellow (78%)
- Black (22%)





- Cyan (84%)
- Magenta (22%)
- Yellow (83%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.4798, 0.3001, 0.5723 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 41.4798, 0.3001, 0.5723 by changing the saturation by 10% instead.


 41.4798, 0.3001,
0.5723


 41.4798, 0.3001,
0.5723


352.3220, 0.3167,
0.4395


 28.6942, 0.2916,
0.6068


 77.4117, 0.3092,
0.5224

 18.8496, 0.2779,
0.6504


 101.3268, 0.3116,
0.5040


 11.5617, 0.2559,
0.7073


 129.7205, 0.3133,
0.4887

 6.4459, 0.2188,
0.7812

 162.9772, 0.3145,
0.4757

 3.1181, 0.1432,
0.8568

 201.4813, 0.3154,
0.4647

 1.1937, 0.0000,
1.0000

 245.6172, 0.3160,


 0.0565, 0.0000,


0.4551

1.0000


295.7693, 0.3164,
0.4468


 0.0000, 0.0000,
0.0000


 41.4798, 0.3001,
0.5723


 41.4798, 0.3001,
0.5723


 41.0677, 0.2997,
0.5894


 42.1684, 0.3010,
0.5474


 40.8624, 0.2996,
0.5985

 43.1643, 0.3023,
0.5165

 40.8616, 0.2996,
0.5985

 44.5000, 0.3039,
0.4822

 46.2024, 0.3057,
0.4472

 48.2956, 0.3076,
0.4133

■ 50.8020, 0.3094,
0.3819

■ 53.7419, 0.3112,
0.3537

■ 57.1346, 0.3127,
0.3289

■ 60.9980, 0.3141,
0.3073

Harmonies

Analogous

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



41.4798, 0.4115, 0.5446



41.4798, 0.3001, 0.5723



41.4798, 0.1970, 0.4682

Triad

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



41.4798, 0.3001, 0.5723



41.4798, 0.1300, 0.1607



41.4798, 0.5277, 0.2968

Complementary

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



41.4798, 0.3001, 0.5723



17.5868, 0.3256, 0.1677

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.



41.4798, 0.4119, 0.2285



41.4798, 0.3001, 0.5723



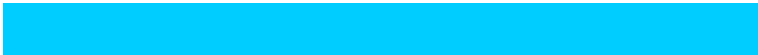
41.4798, 0.1817, 0.1545

Square

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



41.4798, 0.3001, 0.5723



41.4798, 0.1139, 0.2053



41.4798, 0.2779, 0.1780



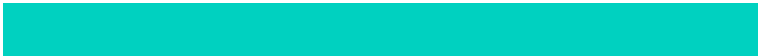
41.4798, 0.5594, 0.3729

Rectangle

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



41.4798, 0.3001, 0.5723



41.4798, 0.1488, 0.3586



41.4798, 0.2779, 0.1780



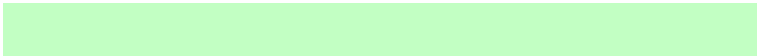
41.4798, 0.4962, 0.2729

Sweetspot

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



41.4815, 0.3001, 0.5723



86.9212, 0.3086, 0.3954



52.7861, 0.4106, 0.4964



18.2722, 0.3080, 0.4069



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



41.4815, 0.3001, 0.5723



71.6251, 0.2997, 0.5966



42.7069, 0.2671, 0.4597



11.8923, 0.3112, 0.3522



26.2748, 0.2995, 0.5981



1.2457, 0.2976, 0.5913

Inverse Universe

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



17.5868, 0.3256, 0.1677



28.2956, 0.3274, 0.1586



14.9335, 0.4536, 0.2462



10.8117, 0.3142, 0.3068



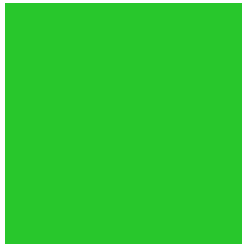
10.3084, 0.3275, 0.1578



0.4897, 0.3260, 0.1570

Previews

White Background



This preview shows how the Yxy color 41.4798, 0.3001, 0.5723 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 41.4798, 0.3001, 0.5723 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 41.4798, 0.3001, 0.5723

Background



This preview shows how black text looks on a background with the Yxy color 41.4798, 0.3001, 0.5723.



This preview shows how white text looks on a background with the Yxy color 41.4798, 0.3001, 0.5723.

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

41.4798, 0.3001, 0.5723

Protanopia

40.4659, 0.4324, 0.4776

Deuteranopia

40.3130, 0.4506, 0.4412



Tritanopia

41.0417, 0.2389, 0.3065

Trichromacy



Original Color

41.4798, 0.3001, 0.5723



Protanomaly

38.5193, 0.3691, 0.5223



Deuteranomaly

37.4103, 0.3800, 0.4976



Tritanomaly

40.1878, 0.2641, 0.4076

Monochromacy



Original Color

41.4798, 0.3001, 0.5723



Achromatopsia

23.8398, 0.3127, 0.3290



Achromatomaly

28.1026, 0.3069, 0.4349

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.4798, 0.3001, 0.5723 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(40, 199, 44)` looks like.

```
.text, #text, p{  
    color:rgb(40, 199, 44)  
}
```

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(40, 199, 44) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(40, 199, 44) }
```

Border

The CSS property to change the border of an element to Yxy 41.4798, 0.3001, 0.5723 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(40, 199, 44) }
```

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

```
.border{ border-color:rgb(40, 199, 44) }
```

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

Here you see how a box with a 4 pixel `rgb(40, 199, 44)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(40, 199, 44); -webkit-box-  
shadow:4px 4px 4px 4px rgb(40, 199, 44);  
box-shadow:4px 4px 4px 4px rgb(40, 199,  
44) }
```


Background

The CSS property to change the background color of an element to Yxy 41.4798, 0.3001, 0.5723 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(40, 199, 44) }
```

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

```
.background{ background-color: rgb(40, 199,  
44) }
```

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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