

Converting Colors

$Y_{xy}(41.2935, 0.3006, 0.5861)$

Have a look what the booklet for
Yxy(41.2935, 0.3006, 0.5861)
contains.

Yxy(41.1776, 0.3006, 0.5864)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(41.1776, 0.3006, 0.5864)

Conversions

Conversions Part 1

Format	Color
Hex	1CC71C
RGB	28, 199, 28
RGB Percent	11%, 78%, 11%
CMY	0.8909, 0.2196, 0.8901
CMYK	0.86, 0.00, 0.86, 0.22
HSL	120°, 75%, 44%
HSV	120°, 86%, 78%
XYZ	21.1084, 41.1776, 7.9350
YIQ	128.3770, -47.0250, -89.4330

Conversions

Conversions Part 2

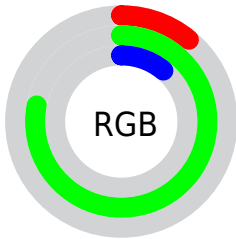
Format	Color
RYB	28, 199, 199
Decimal	1885980
CIELab	70.30, -69.19, 65.25
CIELCh	70, 95.109, 136.678
Yxy	41.1776, 0.3006, 0.5864
Android (android.graphics.Color)	4280076060 (0xFF1CC71C)
YUV	128.3770, -49.4859, -88.0306
Hunter-Lab	64.1698, -53.5801, 37.5873

Details

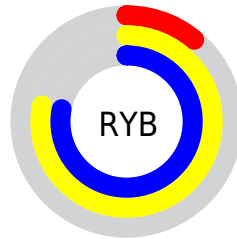
The Yxy color **41.1776, 0.3006, 0.5864** is a dark color, and the websafe version is hex **33CC33**. The color can be described as dark washed green. A complement of this color would be **17.0800, 0.3209, 0.1600**, and the grayscale version is **21.8953, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.5903, 0.3108, 0.5330**, and **19.6449, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **40.9200, 0.3001, 0.5970**, and if you desaturate by 10%, it is **41.6852, 0.3015, 0.5671**.

Distribution



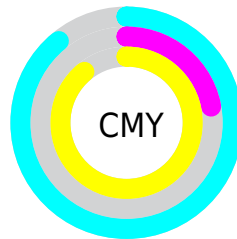
- Red (11%)
- Green (78%)
- Blue (11%)



- Red (11%)
- Yellow (78%)
- Blue (78%)



- Cyan (86%)
- Magenta (0%)
- Yellow (86%)
- Black (22%)




- Cyan (89%)
- Magenta (22%)
- Yellow (89%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 41.1776, 0.3006, 0.5864 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 41.1776, 0.3006, 0.5864 by changing the saturation by 10% instead.


 41.1776, 0.3006,
0.5864

 41.1776, 0.3006,
0.5864


351.0623, 0.3185,
0.4462

 28.4579, 0.2911,
0.6222


 76.9534, 0.3106,
0.5341

 18.6711, 0.2759,
0.6668


 100.7783, 0.3133,
0.5147

 11.4329, 0.2529,
0.7283


 129.0737, 0.3151,
0.4985

 6.3588, 0.2095,
0.7905

 162.2241, 0.3164,
0.4847

 3.0644, 0.1273,
0.8727

 200.6137, 0.3172,
0.4730

 1.1655, 0.0000,
1.0000

 244.6270, 0.3178,

 0.0332, 0.0000,

0.4628

1.0000

294.6484, 0.3182,
0.4540

■ 0.0000, 0.0000,
0.0000

■ 41.1776, 0.3006,
0.5864

■ 41.1776, 0.3006,
0.5864

■ 40.9200, 0.3001,
0.5970

■ 41.6852, 0.3015,
0.5671

■ 40.8515, 0.3000,
0.5999

■ 42.4811, 0.3027,
0.5399

■ 43.6014, 0.3043,
0.5073

■ 45.0760, 0.3059,
0.4719

■ 46.9311, 0.3076,
0.4364

■ 49.1907, 0.3092,
0.4025

■ 51.8765, 0.3107,
0.3716

■ 55.0091, 0.3120,
0.3439

■ 58.6073, 0.3132,
0.3198

Harmonies

Analogous

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



41.1776, 0.4156, 0.5496



41.1776, 0.3006, 0.5864



41.1776, 0.1939, 0.4812

Triad

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



41.1776, 0.3006, 0.5864



41.1776, 0.1230, 0.1553



41.1776, 0.5352, 0.2918

Complementary

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



41.1776, 0.3006, 0.5864



17.0800, 0.3209, 0.1600

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.



41.1776, 0.4118, 0.2225



41.1776, 0.3006, 0.5864



41.1776, 0.1744, 0.1484

Square

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



41.1776, 0.3006, 0.5864



41.1776, 0.1075, 0.2018



41.1776, 0.2721, 0.1716



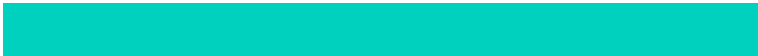
41.1776, 0.5695, 0.3690

Rectangle

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



41.1776, 0.3006, 0.5864



41.1776, 0.1438, 0.3643



41.1776, 0.2721, 0.1716



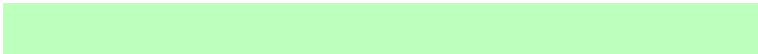
41.1776, 0.5014, 0.2675

Sweetspot

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



41.1793, 0.3006, 0.5864



85.9650, 0.3092, 0.4037



53.0773, 0.4158, 0.4995



18.0866, 0.3086, 0.4154



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.



41.1793, 0.3006, 0.5864



71.5207, 0.3000, 0.6000



42.2970, 0.2690, 0.4760



11.8881, 0.3116, 0.3528



26.2659, 0.3000, 0.5999



1.2438, 0.2999, 0.5996

Inverse Universe

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



17.0800, 0.3209, 0.1600



28.4606, 0.3212, 0.1543



14.1670, 0.4634, 0.2434



10.8164, 0.3138, 0.3063



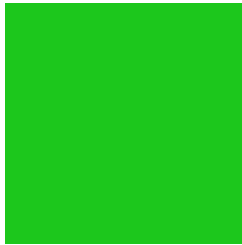
10.4523, 0.3212, 0.1543



0.4950, 0.3211, 0.1543

Previews

White Background



This preview shows how the Yxy color 41.1776, 0.3006, 0.5864 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 41.1776, 0.3006, 0.5864 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 41.1776, 0.3006, 0.5864

Background



This preview shows how black text looks on a background with the Yxy color 41.1776, 0.3006, 0.5864.



This preview shows how white text looks on a background with the Yxy color 41.1776, 0.3006, 0.5864.

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

41.1776, 0.3006, 0.5864

Protanopia

40.3793, 0.4373, 0.4848

Deuteranopia

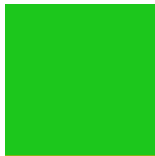
40.3671, 0.4569, 0.4474



Tritanopia

40.8465, 0.2371, 0.3064

Trichromacy



Original Color

41.1776, 0.3006, 0.5864



Protanomaly

38.0112, 0.3693, 0.5360



Deuteranomaly

36.9381, 0.3812, 0.5102



Tritanomaly

39.7569, 0.2646, 0.4190

Monochromacy



Original Color

41.1776, 0.3006, 0.5864



Achromatopsia

21.5861, 0.3127, 0.3290



Achromatomaly

26.1592, 0.3071, 0.4488

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.1776, 0.3006, 0.5864 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(28, 199, 28)` looks like.

```
.text, #text, p{  
    color:rgb(28, 199, 28)  
}
```

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(28, 199, 28) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(28, 199, 28) }
```

Border

The CSS property to change the border of an element to Yxy 41.1776, 0.3006, 0.5864 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(28, 199, 28) }
```

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

```
.border{ border-color:rgb(28, 199, 28) }
```

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

Here you see how a box with a 4 pixel `rgb(28, 199, 28)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(28, 199, 28); -webkit-box-  
shadow:4px 4px 4px 4px rgb(28, 199, 28);  
box-shadow:4px 4px 4px 4px rgb(28, 199,  
28) }
```


Background

The CSS property to change the background color of an element to Yxy 41.1776, 0.3006, 0.5864 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(28, 199, 28) }
```

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

```
.background{ background-color: rgb(28, 199,  
28) }
```

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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