

Converting Colors

Yxy(41.2880, 0.3072, 0.5943)

Have a look what the booklet for
Yxy(41.2880, 0.3072, 0.5943)
contains.

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Color

Yxy(41.3391, 0.3073, 0.5942)

Conversions

Conversions Part 1

Format	Color
Hex	2AC700
RGB	42, 199, 0
RGB Percent	16%, 78%, 0%
CMY	0.8352, 0.2196, 0.9999
CMYK	0.79, 0.00, 1.00, 0.22
HSL	107°, 100%, 39%
HSV	107°, 100%, 78%
XYZ	21.3792, 41.3391, 6.8527
YIQ	129.3710, -29.6930, -95.1730

Conversions

Conversions Part 2

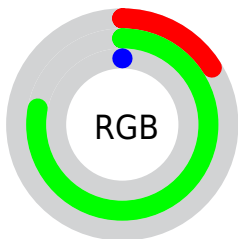
Format	Color
RYB	0, 199, 157
Decimal	2803456
CIELab	70.41, -68.39, 69.43
CIELCh	70, 97.458, 134.566
Yxy	41.3391, 0.3073, 0.5942
Android (android.graphics.Color)	4280993536 (0xFF2AC700)
YUV	129.3710, -63.7799, -76.6244
Hunter-Lab	64.2955, -53.1633, 38.6876

Details

The Yxy color **41.3391, 0.3073, 0.5942** is a dark color, and the websafe version is hex **33CC00**. The color can be described as dark washed green. A complement of this color would be **11.2932, 0.2677, 0.1249**, and the grayscale version is **22.3315, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.8811, 0.3175, 0.5408**, and **19.6449, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **41.3402, 0.3073, 0.5942**, and if you desaturate by 10%, it is **41.7896, 0.3111, 0.5835**.

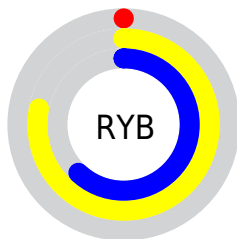
Distribution



Red (16%)

Green (78%)

Blue (0%)



Red (0%)

Yellow (78%)

Blue (62%)

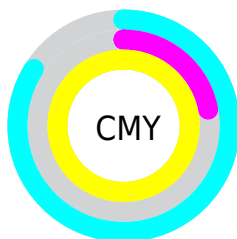


Cyan (79%)

Magenta (0%)

Yellow (100%)

Black (22%)



Cyan (84%)


Magenta (22%)


Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 41.3391, 0.3073, 0.5942 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 41.3391, 0.3073, 0.5942 by changing the saturation by 10% instead.

 41.3391, 0.3073,
0.5942


 41.3391, 0.3073,
0.5942


351.7359, 0.3232,
0.4511


 28.5841, 0.2977,
0.6297


 77.1984, 0.3170,
0.5414

 18.7665, 0.2821,
0.6732


 101.0715, 0.3194,
0.5216

 11.5017, 0.2606,
0.7383


 129.4195, 0.3210,
0.5050

 6.4053, 0.2132,
0.7868

 162.6267, 0.3220,
0.4909

 3.0931, 0.1339,
0.8661

 201.0776, 0.3226,
0.4788

 1.1805, 0.0000,
1.0000

 245.1564, 0.3229,

 0.0457, 0.0000,

0.4683

1.0000

295.2478, 0.3231,
0.4592

■ 0.0000, 0.0000,
0.0000

■ 41.3391, 0.3073,
0.5942

■ 41.3391, 0.3073,
0.5942

■ 41.3402, 0.3073,
0.5942

■ 41.7896, 0.3111,
0.5835

■ 42.4332, 0.3146,
0.5661

■ 43.3015, 0.3174,
0.5418

■ 44.4146, 0.3190,
0.5122

■ 45.7900, 0.3197,
0.4796

■ 47.4437, 0.3194,
0.4460

■ 49.3903, 0.3183,
0.4132

■ 51.6434, 0.3167,
0.3824

■ 54.2156, 0.3148,
0.3543

Harmonies

Analogous

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



41.3391, 0.4238, 0.5468



41.3391, 0.3073, 0.5942



41.3391, 0.1976, 0.4973

Triad

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



41.3391, 0.3073, 0.5942



41.3391, 0.1180, 0.1542



41.3391, 0.5336, 0.2852

Complementary

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



41.3391, 0.3073, 0.5942



11.2932, 0.2677, 0.1249

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.



41.3391, 0.4032, 0.2161



41.3391, 0.3073, 0.5942



41.3391, 0.1669, 0.1451

Square

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



41.3391, 0.3073, 0.5942



41.3391, 0.1046, 0.2043



41.3391, 0.2624, 0.1665



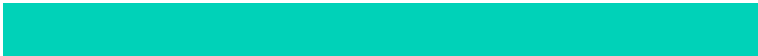
41.3391, 0.5752, 0.3624

Rectangle

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



41.3391, 0.3073, 0.5942



41.3391, 0.1448, 0.3771



41.3391, 0.2624, 0.1665



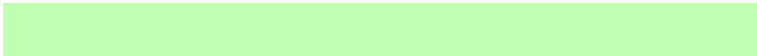
41.3391, 0.4971, 0.2609

Sweetspot

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



41.3408, 0.3073, 0.5942



86.3095, 0.3184, 0.4147



35.8833, 0.4639, 0.4699



18.1501, 0.3189, 0.4286



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.



41.3408, 0.3073, 0.5942



72.2993, 0.3066, 0.5948



41.1377, 0.2901, 0.5643



11.9939, 0.3147, 0.3527



26.6132, 0.3080, 0.5937



1.2923, 0.3226, 0.5821

Inverse Universe

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



11.2932, 0.2677, 0.1249



19.6623, 0.2670, 0.1244



14.1150, 0.4089, 0.2026



10.6993, 0.3105, 0.3060



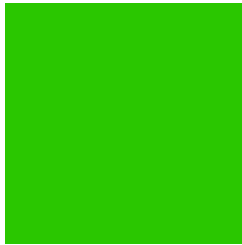
7.2994, 0.2685, 0.1253



0.3748, 0.2800, 0.1316

Previews

White Background



This preview shows how the Yxy color 41.3391, 0.3073, 0.5942 looks on a white background.

Color Contrast Check

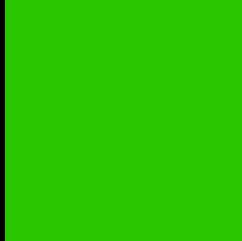
Large Text (above 18pt) WCAG AA × Fail

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 41.3391, 0.3073, 0.5942 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

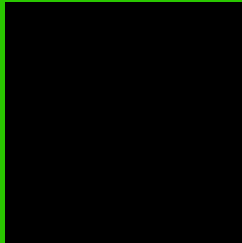
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 41.3391, 0.3073, 0.5942

Background



This preview shows how black text looks on a background with the Yxy color 41.3391, 0.3073, 0.5942.

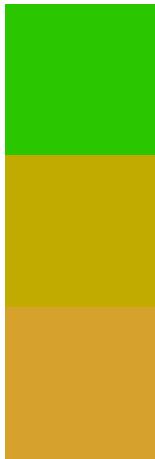


This preview shows how white text looks on a background with the Yxy color 41.3391, 0.3073, 0.5942.

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

41.3391, 0.3073, 0.5942

Protanopia

40.4633, 0.4409, 0.4881

Deuteranopia

40.4622, 0.4610, 0.4508



Tritanopia

41.0922, 0.2394, 0.3065

Trichromacy



Original Color

41.3391, 0.3073, 0.5942



Protanomaly

38.4510, 0.3779, 0.5381



Deuteranomaly

37.4145, 0.3920, 0.5150



Tritanomaly

39.7757, 0.2740, 0.4361

Monochromacy



Original Color

41.3391, 0.3073, 0.5942



Achromatopsia

21.9526, 0.3127, 0.3290



Achromatomaly

26.2618, 0.3195, 0.4659

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.3391, 0.3073, 0.5942 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(42, 199, 0)` looks like.

```
.text, #text, p{  
    color:rgb(42, 199, 0)  
}
```

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(42, 199, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 199, 0) }
```

Border

The CSS property to change the border of an element to Yxy 41.3391, 0.3073, 0.5942 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(42, 199, 0) }
```

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

```
.border{ border-color:rgb(42, 199, 0) }
```

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

Here you see how a box with a 4 pixel rgb(42, 199, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 199, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 199, 0);  
box-shadow:4px 4px 4px 4px rgb(42, 199, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 41.3391, 0.3073, 0.5942 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 199, 0) }
```

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

```
.background{ background-color: rgb(42, 199,  
0) }
```

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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