

Converting Colors

$Y_{xy}(40.9910, 0.3156, 0.5876)$

Have a look what the booklet for
Yxy(40.9910, 0.3156, 0.5876)
contains.

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Color

Yxy(40.9893, 0.3156, 0.5876)

Conversions

Conversions Part 1

Format	Color
Hex	3FC500
RGB	63, 197, 0
RGB Percent	25%, 77%, 0%
CMY	0.7530, 0.2274, 0.9998
CMYK	0.68, 0.00, 1.00, 0.23
HSL	101°, 100%, 39%
HSV	101°, 100%, 77%
XYZ	22.0154, 40.9893, 6.7525
YIQ	134.4760, -16.6270, -89.6750

Conversions

Conversions Part 2

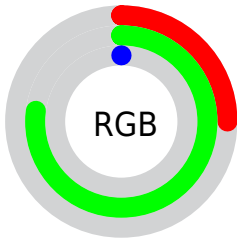
Format	Color
RYB	0, 197, 134
Decimal	4179200
CIELab	70.17, -64.35, 69.40
CIELCh	70, 94.643, 132.837
Yxy	40.9893, 0.3156, 0.5876
Android (android.graphics.Color)	4282369280 (0xFF3FC500)
YUV	134.4760, -66.2967, -62.6845
Hunter-Lab	64.0229, -50.6598, 38.5627

Details

The Yxy color **40.9893, 0.3156, 0.5876** 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 **9.1082, 0.2413, 0.1103**, and the grayscale version is **24.2802, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.7663, 0.3235, 0.5368**, and **19.3460, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **40.9896, 0.3156, 0.5876**, and if you desaturate by 10%, it is **41.5368, 0.3205, 0.5762**.

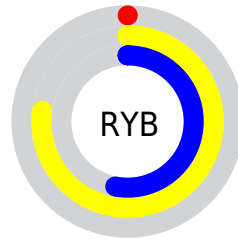
Distribution



Red (25%)

Green (77%)

Blue (0%)



Red (0%)

Yellow (77%)

Blue (53%)

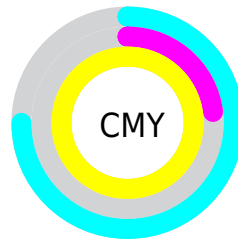


Cyan (68%)

Magenta (0%)

Yellow (100%)

Black (23%)



Cyan (75%)


Magenta (23%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.9893, 0.3156, 0.5876 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 40.9893, 0.3156, 0.5876 by changing the saturation by 10% instead.


 40.9893, 0.3156,
0.5876


 40.9893, 0.3156,
0.5876


350.2759, 0.3270,
0.4487


 28.3107, 0.3072,
0.6218


 76.6677, 0.3237,
0.5365

 18.5600, 0.2929,
0.6637


 100.4362, 0.3255,
0.5173

 11.3528, 0.2734,
0.7266


 128.6702, 0.3265,
0.5012

 6.3047, 0.2275,
0.7725

 161.7541, 0.3270,
0.4875

 3.0312, 0.1539,
0.8461

 200.0722, 0.3273,
0.4757

 1.1480, 0.0000,
1.0000

 244.0089, 0.3273,

 0.0186, 0.0000,

0.4655

1.0000

293.9487, 0.3272,
0.4565

■ 0.0000, 0.0000,
0.0000

■ 40.9893, 0.3156,
0.5876

■ 40.9893, 0.3156,
0.5876

■ 40.9896, 0.3156,
0.5876

■ 41.5368, 0.3205,
0.5762

■ 42.2476, 0.3245,
0.5588

■ 43.1476, 0.3272,
0.5352

■ 44.2520, 0.3282,
0.5068

■ 45.5741, 0.3278,
0.4756

■ 47.1262, 0.3261,
0.4435

■ 48.9193, 0.3235,
0.4118

■ 50.9639, 0.3202,
0.3818

■ 53.2696, 0.3165,
0.3541

Harmonies

Analogous

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



40.9893, 0.4297, 0.5384



40.9893, 0.3156, 0.5876



40.9893, 0.2063, 0.5014

Triad

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



40.9893, 0.3156, 0.5876



40.9893, 0.1196, 0.1591



40.9893, 0.5227, 0.2826

Complementary

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



40.9893, 0.3156, 0.5876



9.1082, 0.2413, 0.1103

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.



40.9893, 0.3927, 0.2149



40.9893, 0.3156, 0.5876



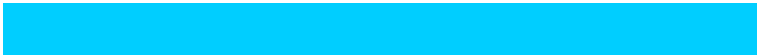
40.9893, 0.1659, 0.1479

Square

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



40.9893, 0.3156, 0.5876



40.9893, 0.1084, 0.2120



40.9893, 0.2570, 0.1674



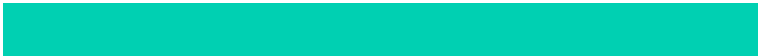
40.9893, 0.5701, 0.3588

Rectangle

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



40.9893, 0.3156, 0.5876



40.9893, 0.1521, 0.3863



40.9893, 0.2570, 0.1674



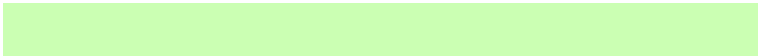
40.9893, 0.4854, 0.2587

Sweetspot

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



40.9910, 0.3156, 0.5876



87.4425, 0.3236, 0.4133



28.1997, 0.4936, 0.4463



18.4125, 0.3248, 0.4268



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.



40.9910, 0.3156, 0.5876



73.2900, 0.3146, 0.5884



40.0444, 0.2960, 0.5856



12.0496, 0.3163, 0.3525



26.9992, 0.3164, 0.5869



1.3176, 0.3332, 0.5737

Inverse Universe

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



9.1082, 0.2413, 0.1103



16.1652, 0.2401, 0.1096



14.5592, 0.3683, 0.1803



10.6402, 0.3088, 0.3059



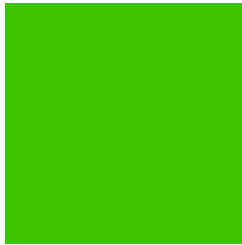
6.0350, 0.2423, 0.1109



0.3234, 0.2592, 0.1201

Previews

White Background



This preview shows how the Yxy color 40.9893, 0.3156, 0.5876 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 40.9893, 0.3156, 0.5876 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

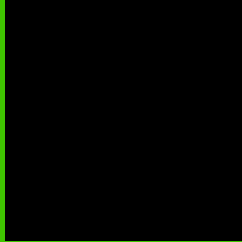
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.9893, 0.3156, 0.5876

Background



This preview shows how black text looks on a background with the Yxy color 40.9893, 0.3156, 0.5876.



This preview shows how white text looks on a background with the Yxy color 40.9893, 0.3156, 0.5876.

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

40.9893, 0.3156, 0.5876

Protanopia

40.3323, 0.4400, 0.4888

Deuteranopia

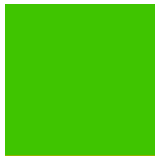
39.9530, 0.4616, 0.4510



Tritanopia

40.7109, 0.2447, 0.3066

Trichromacy



Original Color

40.9893, 0.3156, 0.5876



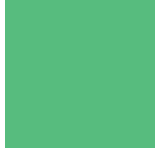
Protanomaly

38.6623, 0.3854, 0.5322



Deuteranomaly

37.7222, 0.3998, 0.5090



Tritanomaly

39.4990, 0.2816, 0.4332

Monochromacy



Original Color

40.9893, 0.3156, 0.5876



Achromatopsia

23.8398, 0.3127, 0.3290



Achromatomaly

27.9580, 0.3271, 0.4600

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.9893, 0.3156, 0.5876 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(63, 197, 0)` looks like.

```
.text, #text, p{  
    color:rgb(63, 197, 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(63, 197, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 197, 0) }
```

Border

The CSS property to change the border of an element to Yxy 40.9893, 0.3156, 0.5876 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(63, 197, 0) }
```

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

```
.border{ border-color:rgb(63, 197, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(63, 197, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 197, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 197, 0);  
box-shadow:4px 4px 4px 4px rgb(63, 197, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 40.9893, 0.3156, 0.5876 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 197, 0) }
```

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

```
.background{ background-color: rgb(63, 197,  
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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