

Converting Colors

$Y_{xy}(40.5638, 0.2992, 0.5574)$

Have a look what the booklet for
Yxy(40.5638, 0.2992, 0.5574)
contains.

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Color

Yxy(40.3938, 0.2991, 0.5574)

Conversions

Conversions Part 1

Format	Color
Hex	30C438
RGB	48, 196, 56
RGB Percent	19%, 77%, 22%
CMY	0.8115, 0.2314, 0.7803
CMYK	0.75, 0.00, 0.71, 0.23
HSL	123°, 61%, 48%
HSV	123°, 75%, 77%
XYZ	21.6753, 40.3938, 10.3992
YIQ	135.7880, -43.2680, -74.9160

Conversions

Conversions Part 2

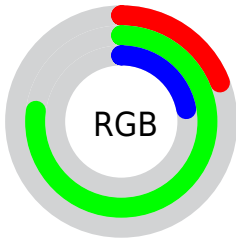
Format	Color
RYB	48, 188, 196
Decimal	3195960
CIELab	69.75, -64.13, 56.42
CIELCh	70, 85.419, 138.659
Yxy	40.3938, 0.2991, 0.5574
Android (android.graphics.Color)	4281386040 (0xFF30C438)
YUV	135.7880, -39.3355, -76.9901
Hunter-Lab	63.5561, -50.3474, 34.7881

Details

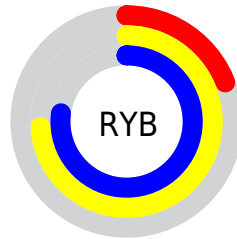
The Yxy color **40.3938, 0.2991, 0.5574** is a dark color, and the websafe version is hex **33CC33**. The color can be described as dark muted green. A complement of this color would be **17.4865, 0.3303, 0.1755**, and the grayscale version is **24.7073, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.8829, 0.3074, 0.5095**, and **19.0498, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **39.8699, 0.2988, 0.5791**, and if you desaturate by 10%, it is **41.1988, 0.3000, 0.5292**.

Distribution



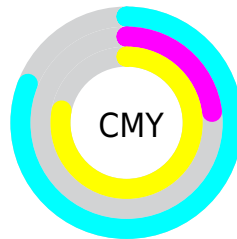
- Red (19%)
- Green (77%)
- Blue (22%)



- Red (19%)
- Yellow (74%)
- Blue (77%)



- Cyan (75%)
- Magenta (0%)
- Yellow (71%)
- Black (23%)




- Cyan (81%)
- Magenta (23%)
- Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 40.3938, 0.2991, 0.5574 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 40.3938, 0.2991, 0.5574 by changing the saturation by 10% instead.

 40.3938, 0.2991,
0.5574


 40.3938, 0.2991,
0.5574


347.7806, 0.3148,
0.4318


 27.8457, 0.2914,
0.5908


 75.7628, 0.3074,
0.5098


 18.2094, 0.2789,
0.6336


 99.3525, 0.3097,
0.4924

 11.1004, 0.2581,
0.6893


 127.3916, 0.3114,
0.4780

 6.1344, 0.2260,
0.7740

 160.2643, 0.3125,
0.4658

 2.9270, 0.1490,
0.8510

 198.3552, 0.3134,
0.4554

 1.0937, 0.0000,
1.0000

242.0486, 0.3140,

 0.0000, 0.0000,

0.4465

0.0000

291.7290, 0.3144,
0.4387

■ 40.3938, 0.2991,
0.5574

■ 40.3938, 0.2991,
0.5574

■ 39.8699, 0.2988,
0.5791

■ 41.1988, 0.3000,
0.5292

■ 39.5838, 0.2991,
0.5930

■ 42.3110, 0.3014,
0.4967

■ 39.5030, 0.2991,
0.5969

■ 43.7593, 0.3032,
0.4625

■ 45.5677, 0.3053,
0.4287

■ 47.7582, 0.3075,
0.3968

■ 50.3509, 0.3096,
0.3677

■ 53.3646, 0.3117,
0.3418

■ 56.8169, 0.3136,
0.3191

■ 60.7242, 0.3153,
0.2995

Harmonies

Analogous

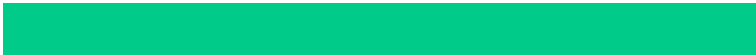
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



40.3938, 0.4068, 0.5389



40.3938, 0.2991, 0.5574



40.3938, 0.2001, 0.4550

Triad

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



40.3938, 0.2991, 0.5574



40.3938, 0.1375, 0.1663



40.3938, 0.5199, 0.3020

Complementary

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



40.3938, 0.2991, 0.5574



17.4865, 0.3303, 0.1755

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.



40.3938, 0.4120, 0.2349



40.3938, 0.2991, 0.5574



40.3938, 0.1895, 0.1610

Square

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



40.3938, 0.2991, 0.5574



40.3938, 0.1208, 0.2089



40.3938, 0.2840, 0.1849



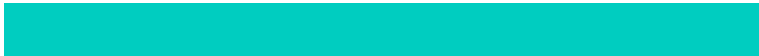
40.3938, 0.5486, 0.3769

Rectangle

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



40.3938, 0.2991, 0.5574



40.3938, 0.1540, 0.3527



40.3938, 0.2840, 0.1849



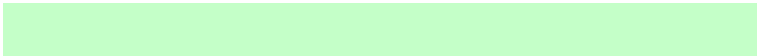
40.3938, 0.4907, 0.2785

Sweetspot

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



40.3955, 0.2991, 0.5574



87.4500, 0.3079, 0.3904



50.4618, 0.4036, 0.4947



18.3765, 0.3071, 0.4016



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.



40.3955, 0.2991, 0.5574



71.8256, 0.2990, 0.5896



41.7060, 0.2646, 0.4422



11.2674, 0.3109, 0.3515



25.3865, 0.2989, 0.5960



1.1000, 0.2948, 0.5814

Inverse Universe

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



17.4865, 0.3303, 0.1755



28.3114, 0.3336, 0.1639



15.0838, 0.4514, 0.2532



10.2378, 0.3146, 0.3075



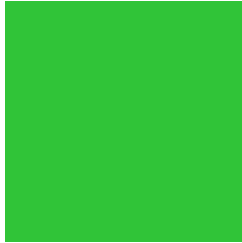
9.8075, 0.3347, 0.1618



0.4267, 0.3314, 0.1599

Previews

White Background



This preview shows how the Yxy color 40.3938, 0.2991, 0.5574 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 40.3938, 0.2991, 0.5574 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 40.3938, 0.2991, 0.5574

Background



This preview shows how black text looks on a background with the Yxy color 40.3938, 0.2991, 0.5574.



This preview shows how white text looks on a background with the Yxy color 40.3938, 0.2991, 0.5574.

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

40.3938, 0.2991, 0.5574

Protanopia

39.4165, 0.4265, 0.4705

Deuteranopia

39.6210, 0.4431, 0.4346



Tritanopia

40.1683, 0.2398, 0.3063

Trichromacy



Original Color

40.3938, 0.2991, 0.5574



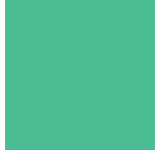
Protanomaly

37.8914, 0.3667, 0.5104



Deuteranomaly

37.2216, 0.3765, 0.4862



Tritanomaly

39.5376, 0.2632, 0.3991

Monochromacy



Original Color

40.3938, 0.2991, 0.5574



Achromatopsia

24.6201, 0.3127, 0.3290



Achromatomaly

28.4583, 0.3056, 0.4224

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.3938, 0.2991, 0.5574 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(48, 196, 56)` looks like.

```
.text, #text, p{  
    color:rgb(48, 196, 56)  
}
```

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(48, 196, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 196, 56) }
```

Border

The CSS property to change the border of an element to Yxy 40.3938, 0.2991, 0.5574 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(48, 196, 56) }
```

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

```
.border{ border-color:rgb(48, 196, 56) }
```

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

Here you see how a box with a 4 pixel `rgb(48, 196, 56)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 196, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 196, 56);  
box-shadow:4px 4px 4px 4px rgb(48, 196,  
56) }
```


Background

The CSS property to change the background color of an element to Yxy 40.3938, 0.2991, 0.5574 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 196, 56) }
```

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

```
.background{ background-color: rgb(48, 196,  
56) }
```

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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