

Converting Colors

$Y_{xy}(40.8492, 0.2930, 0.5635)$

Have a look what the booklet for
Yxy(40.8492, 0.2930, 0.5635)
contains.

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Color

Yxy(40.8462, 0.2931, 0.5637)

Conversions

Conversions Part 1

Format	Color
Hex	17C637
RGB	23, 198, 55
RGB Percent	9%, 78%, 22%
CMY	0.9094, 0.2235, 0.7844
CMYK	0.88, 0.00, 0.72, 0.22
HSL	131°, 79%, 43%
HSV	131°, 88%, 78%
XYZ	21.2383, 40.8462, 10.3764
YIQ	129.3730, -58.3970, -81.5730

Conversions

Conversions Part 2

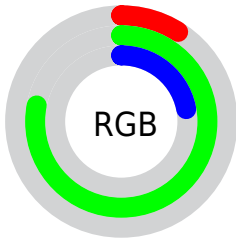
Format	Color
RYB	23, 171, 198
Decimal	1558071
CIELab	70.07, -67.57, 57.04
CIELCh	70, 88.428, 139.832
Yxy	40.8462, 0.2931, 0.5637
Android (android.graphics.Color)	4279748151 (0xFF17C637)
YUV	129.3730, -36.6659, -93.2891
Hunter-Lab	63.9110, -52.5269, 35.1116

Details

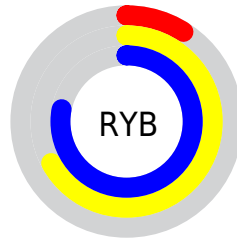
The Yxy color **40.8462, 0.2931, 0.5637** is a dark color, and the websafe version is hex **33CC33**. The color can be described as dark washed green. A complement of this color would be **15.3802, 0.3658, 0.1845**, and the grayscale version is **22.2480, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.7716, 0.3028, 0.5139**, and **19.3460, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **40.5553, 0.2951, 0.5810**, and if you desaturate by 10%, it is **41.3575, 0.2920, 0.5407**.

Distribution



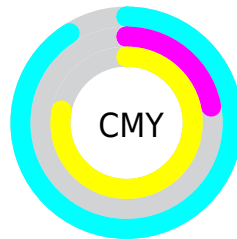
- Red (9%)
- Green (78%)
- Blue (22%)



- Red (9%)
- Yellow (67%)
- Blue (78%)



- Cyan (88%)
- Magenta (0%)
- Yellow (72%)
- Black (22%)





- Cyan (91%)
- Magenta (22%)
- Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.8462, 0.2931, 0.5637 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 40.8462, 0.2931, 0.5637 by changing the saturation by 10% instead.

 40.8462, 0.2931,
0.5637


 40.8462, 0.2931,
0.5637


349.6774, 0.3122,
0.4345

 28.1989, 0.2844,
0.5981


 76.4504, 0.3028,
0.5147

 18.4757, 0.2708,
0.6422


 100.1760, 0.3055,
0.4968

 11.2920, 0.2485,
0.6993


 128.3633, 0.3075,
0.4819

 6.2636, 0.2144,
0.7856

 161.3966, 0.3090,
0.4694

 3.0060, 0.1332,
0.8668

 199.6602, 0.3101,
0.4587

 1.1349, 0.0000,
1.0000

243.5387, 0.3110,


 0.0075, 0.0000,

0.4495


1.0000


293.4162, 0.3117,
0.4415


 0.0000, 0.0000,
0.0000


 40.8462, 0.2931,
0.5637


 40.8462, 0.2931,
0.5637


 40.5553, 0.2951,
0.5810


 41.3575, 0.2920,
0.5407

 40.5168, 0.2954,
0.5834

 42.1299, 0.2920,
0.5134

 43.1957, 0.2932,
0.4836

 44.5811, 0.2955,
0.4529

 46.3095, 0.2985,
0.4230

■ 48.4020, 0.3020,
0.3949

■ 50.8779, 0.3057,
0.3692

■ 53.7553, 0.3096,
0.3461

■ 57.0510, 0.3133,
0.3258

Harmonies

Analogous

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



40.8462, 0.4032, 0.5463



40.8462, 0.2931, 0.5637



40.8462, 0.1932, 0.4533

Triad

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



40.8462, 0.2931, 0.5637



40.8462, 0.1351, 0.1617



40.8462, 0.5290, 0.3033

Complementary

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



40.8462, 0.2931, 0.5637



15.3802, 0.3658, 0.1845

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.



40.8462, 0.4200, 0.2348



40.8462, 0.2931, 0.5637



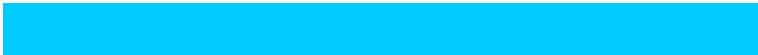
40.8462, 0.1894, 0.1578

Square

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



40.8462, 0.2931, 0.5637



40.8462, 0.1168, 0.2027



40.8462, 0.2876, 0.1832



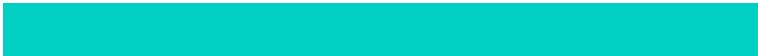
40.8462, 0.5538, 0.3794

Rectangle

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



40.8462, 0.2931, 0.5637



40.8462, 0.1477, 0.3470



40.8462, 0.2876, 0.1832



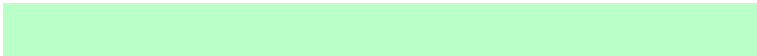
40.8462, 0.5001, 0.2794

Sweetspot

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



40.8479, 0.2931, 0.5637



86.0875, 0.3023, 0.3924



48.8697, 0.3908, 0.5206



18.1307, 0.3010, 0.4018



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.



40.8479, 0.2931, 0.5637



71.7211, 0.2959, 0.5852



42.4568, 0.2545, 0.4277



11.9189, 0.3092, 0.3484



26.3579, 0.2949, 0.5816



1.2579, 0.2846, 0.5445

Inverse Universe

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



15.3802, 0.3658, 0.1845



25.8394, 0.3744, 0.1836



13.2228, 0.5293, 0.2789



10.7822, 0.3165, 0.3103



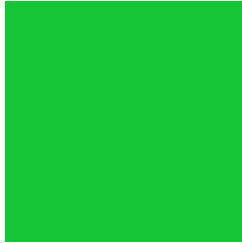
9.5136, 0.3726, 0.1826



0.4594, 0.3600, 0.1757

Previews

White Background



This preview shows how the Yxy color 40.8462, 0.2931, 0.5637 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 40.8462, 0.2931, 0.5637 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 40.8462, 0.2931, 0.5637

Background



This preview shows how black text looks on a background with the Yxy color 40.8462, 0.2931, 0.5637.



This preview shows how white text looks on a background with the Yxy color 40.8462, 0.2931, 0.5637.

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

40.8462, 0.2931, 0.5637

Protanopia

39.9100, 0.4270, 0.4715

Deuteranopia

39.7683, 0.4441, 0.4341



Tritanopia

40.7071, 0.2358, 0.3063

Trichromacy



Original Color

40.8462, 0.2931, 0.5637



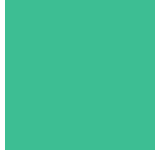
Protanomaly

37.5487, 0.3581, 0.5177



Deuteranomaly

36.4819, 0.3685, 0.4909



Tritanomaly

39.9256, 0.2574, 0.4013

Monochromacy



Original Color

40.8462, 0.2931, 0.5637



Achromatopsia

21.9526, 0.3127, 0.3290



Achromatomaly

26.2442, 0.2974, 0.4296

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.8462, 0.2931, 0.5637 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(23, 198, 55)` looks like.

```
.text, #text, p{  
    color:rgb(23, 198, 55)  
}
```

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(23, 198, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(23, 198, 55) }
```

Border

The CSS property to change the border of an element to Yxy 40.8462, 0.2931, 0.5637 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(23, 198, 55) }
```

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

```
.border{ border-color:rgb(23, 198, 55) }
```

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

Here you see how a box with a 4 pixel `rgb(23, 198, 55)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(23, 198, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(23, 198, 55);  
box-shadow:4px 4px 4px 4px rgb(23, 198,  
55) }
```


Background

The CSS property to change the background color of an element to Yxy 40.8462, 0.2931, 0.5637 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(23, 198, 55) }
```

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

```
.background{ background-color: rgb(23, 198,  
55) }
```

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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