

Converting Colors

$Y_{xy}(41.0473, 0.3430, 0.5599)$

Have a look what the booklet for
Yxy(41.0473, 0.3430, 0.5599)
contains.

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Color

Yxy(40.8655, 0.3428, 0.5600)

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | 6BC011 |
| RGB | 107, 192, 17 |
| RGB Percent | 42%, 75%, 7% |
| CMY | 0.5803, 0.2471, 0.9339 |
| CMYK | 0.44, 0.00, 0.91, 0.25 |
| HSL | 89°, 84%, 41% |
| HSV | 89°, 91%, 75% |
| XYZ | 25.0155, 40.8655, 7.0931 |
| YIQ | 146.6350, 5.5150, -72.4450 |

Conversions

Conversions Part 2

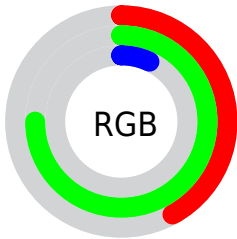
| Format | Color |
|-------------------------------------|--|
| RYB | 17, 192, 102 |
| Decimal | 7061521 |
| CIELab | 70.08, -50.62, 67.94 |
| CIELCh | 70, 84.724, 126.685 |
| Yxy | 40.8655, 0.3428, 0.5600 |
| Android (android.graphics.Color) | 4285251601 (0xFF6BC011) |
| YUV | 146.6350, -63.9101, -34.7599 |
| Hunter-Lab | 63.9261, -42.0202, 38.1696 |

Details

The Yxy color **40.8655, 0.3428, 0.5600** is a dark color, and the websafe version is hex **66CC33**. The color can be described as dark washed chartreuse. A complement of this color would be **7.0170, 0.2090, 0.0966**, and the grayscale version is **29.2826, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.4066, 0.3446, 0.5159**, and **18.7348, 0.3180, 0.5857** is the 20% darker color. If you saturate the color by 10%, you get **40.3440, 0.3385, 0.5695**, and if you desaturate by 10%, it is **41.5640, 0.3463, 0.5449**.

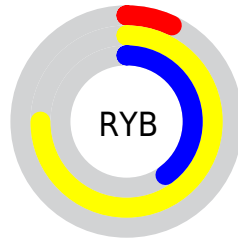
Distribution



Red (42%)

Green (75%)

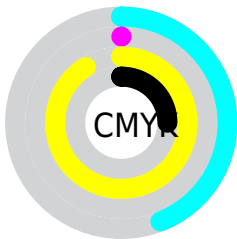
Blue (7%)



Red (7%)

Yellow (75%)

Blue (40%)

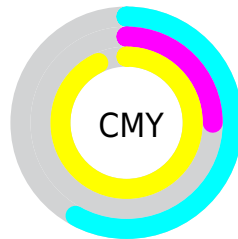


Cyan (44%)

Magenta (0%)

Yellow (91%)

Black (25%)



Cyan (58%)


Magenta (25%)


Yellow (93%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.8655, 0.3428, 0.5600 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 40.8655, 0.3428, 0.5600 by changing the saturation by 10% instead.


 40.8655, 0.3428,
0.5600


 40.8655, 0.3428,
0.5600


349.7582, 0.3386,
0.4382


 28.2140, 0.3388,
0.5894


 76.4797, 0.3448,
0.5158


 18.4870, 0.3303,
0.6250


 100.2111, 0.3444,
0.4990

 11.3002, 0.3180,
0.6771


 128.4047, 0.3437,
0.4848

 6.2691, 0.2823,
0.7177

 161.4448, 0.3427,
0.4727

 3.0094, 0.2258,
0.7742

 199.7158, 0.3417,
0.4623

 1.1367, 0.0000,
1.0000

 243.6021, 0.3407,

 0.0090, 0.0000,

0.4532

1.0000

293.4881, 0.3396,
0.4453

■ 0.0000, 0.0000,
0.0000

■ 40.8655, 0.3428,
0.5600

■ 40.8655, 0.3428,
0.5600

■ 40.3440, 0.3385,
0.5695

■ 41.5640, 0.3463,
0.5449

■ 42.3877, 0.3476,
0.5244

■ 43.3489, 0.3467,
0.4995

■ 44.4569, 0.3439,
0.4717

■ 45.7198, 0.3394,
0.4424

■ 47.1451, 0.3337,
0.4129

■ 48.7394, 0.3273,
0.3842

■ 50.5094, 0.3205,
0.3571

■ 52.4610, 0.3136,
0.3319

Harmonies

Analogous

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



40.8655, 0.4461, 0.5089



40.8655, 0.3428, 0.5600



40.8655, 0.2376, 0.5065

Triad

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



40.8655, 0.3428, 0.5600



40.8655, 0.1284, 0.1795



40.8655, 0.4820, 0.2747

Complementary

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



40.8655, 0.3428, 0.5600



7.0170, 0.2090, 0.0966

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.



40.8655, 0.3589, 0.2133



40.8655, 0.3428, 0.5600



40.8655, 0.1654, 0.1608

Square

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



40.8655, 0.3428, 0.5600



40.8655, 0.1250, 0.2413



40.8655, 0.2418, 0.1734



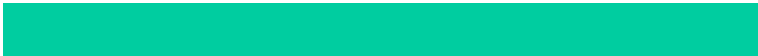
40.8655, 0.5455, 0.3465

Rectangle

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



40.8655, 0.3428, 0.5600



40.8655, 0.1806, 0.4129



40.8655, 0.2418, 0.1734



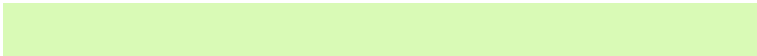
40.8655, 0.4444, 0.2525

Sweetspot

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



40.8673, 0.3428, 0.5600



86.4811, 0.3313, 0.4018



20.6530, 0.5276, 0.4105



18.3467, 0.3335, 0.4118



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



40.8673, 0.3428, 0.5600



72.9494, 0.3374, 0.5703



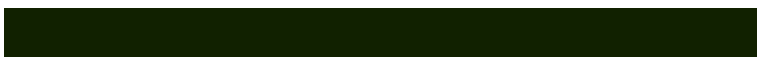
37.8862, 0.3008, 0.5925



11.5080, 0.3192, 0.3523



27.1933, 0.3394, 0.5688



1.2158, 0.3564, 0.5552

Inverse Universe

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



7.0170, 0.2090, 0.0966



10.9783, 0.1976, 0.0862



15.0315, 0.3170, 0.1551



9.9824, 0.3058, 0.3057



4.1781, 0.2005, 0.0878



0.2215, 0.2256, 0.1016

Previews

White Background



This preview shows how the Yxy color 40.8655, 0.3428, 0.5600 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 40.8655, 0.3428, 0.5600 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

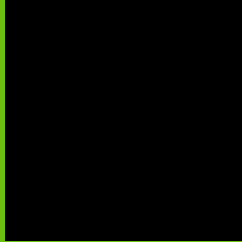
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.8655, 0.3428, 0.5600

Background



This preview shows how black text looks on a background with the Yxy color 40.8655, 0.3428, 0.5600.



This preview shows how white text looks on a background with the Yxy color 40.8655, 0.3428, 0.5600.

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

40.8655, 0.3428, 0.5600

Protanopia

40.3323, 0.4400, 0.4888

Deuteranopia

40.2969, 0.4609, 0.4525



Tritanopia

40.8363, 0.2642, 0.3087

Trichromacy



Original Color

40.8655, 0.3428, 0.5600

Protanomaly

39.8304, 0.4011, 0.5178

Deuteranomaly

39.1054, 0.4154, 0.4939

Tritanomaly

40.0035, 0.3032, 0.4163

Monochromacy



Original Color

40.8655, 0.3428, 0.5600

Achromatopsia

29.1771, 0.3127, 0.3290

Achromatomaly

32.0200, 0.3373, 0.4335

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.8655, 0.3428, 0.5600 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(107, 192, 17)` looks like.

```
.text, #text, p{  
    color:rgb(107, 192, 17)  
}
```

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(107, 192, 17) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 192, 17) }
```

Border

The CSS property to change the border of an element to Yxy 40.8655, 0.3428, 0.5600 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(107, 192, 17) }
```

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

```
.border{ border-color:rgb(107, 192, 17) }
```

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

Here you see how a box with a 4 pixel rgb(107, 192, 17) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 192, 17); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 192, 17);  
box-shadow:4px 4px 4px 4px rgb(107, 192,  
17) }
```


Background

The CSS property to change the background color of an element to Yxy 40.8655, 0.3428, 0.5600 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 192, 17) }
```

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

```
.background{ background-color: rgb(107,  
192, 17) }
```

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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