

Converting Colors

$Y_{xy}(40.6403, 0.2930, 0.5725)$

Have a look what the booklet for
Yxy(40.6403, 0.2930, 0.5725)
contains.

Yxy(40.6403, 0.2930, 0.5725)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(40.6403, 0.2930, 0.5725)

Conversions

Conversions Part 1

Format	Color
Hex	06C630
RGB	6, 198, 48
RGB Percent	2%, 78%, 19%
CMY	0.9781, 0.2235, 0.8116
CMYK	0.97, 0.00, 0.76, 0.22
HSL	133°, 95%, 40%
HSV	133°, 97%, 78%
XYZ	20.7993, 40.6403, 9.5478
YIQ	123.4920, -66.2820, -87.3540

Conversions

Conversions Part 2

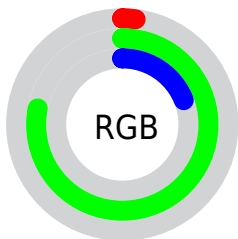
Format	Color
RYB	6, 164, 198
Decimal	443952
CIELab	69.92, -69.05, 59.29
CIELCh	70, 91.014, 139.351
Yxy	40.6403, 0.2930, 0.5725
Android (android.graphics.Color)	4278634032 (0xFF06C630)
YUV	123.4920, -37.2176, -103.0405
Hunter-Lab	63.7497, -53.3237, 35.7449

Details

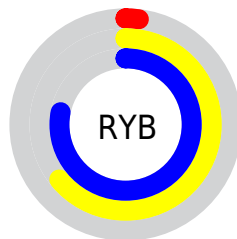
The Yxy color **40.6403, 0.2930, 0.5725** is a dark color, and the websafe version is hex **00CC33**. The color can be described as dark washed green. A complement of this color would be **14.5134, 0.3840, 0.1901**, and the grayscale version is **20.0801, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.4030, 0.3033, 0.5215**, and **19.3460, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **40.5717, 0.2936, 0.5770**, and if you desaturate by 10%, it is **40.9680, 0.2907, 0.5534**.

Distribution



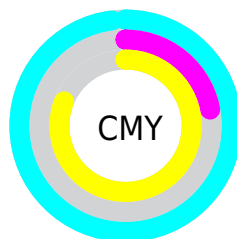
- Red (2%)
- Green (78%)
- Blue (19%)



- Red (2%)
- Yellow (64%)
- Blue (78%)



- Cyan (97%)
- Magenta (0%)
- Yellow (76%)
- Black (22%)




- Cyan (98%)
- Magenta (22%)
- Yellow (81%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.6403, 0.2930, 0.5725 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 40.6403, 0.2930, 0.5725 by changing the saturation by 10% instead.

 40.6403, 0.2930,
0.5725


 40.6403, 0.2930,
0.5725


348.8150, 0.3129,
0.4385


 28.0381, 0.2838,
0.6079


 76.1376, 0.3032,
0.5218


 18.3544, 0.2692,
0.6530


 99.8014, 0.3061,
0.5032


 11.2047, 0.2458,
0.7118


 127.9213, 0.3082,
0.4878

 6.2047, 0.2079,
0.7921

 160.8817, 0.3098,
0.4748

 2.9700, 0.1215,
0.8785

 199.0668, 0.3109,
0.4637

 1.1161, 0.0000,
1.0000

 242.8611, 0.3118,

 0.0000, 0.0000,

0.4541

0.0000

292.6491, 0.3124,
0.4458

■ 40.6403, 0.2930,
0.5725

■ 40.6403, 0.2930,
0.5725

■ 40.5717, 0.2936,
0.5770

■ 40.9680, 0.2907,
0.5534

■ 41.5174, 0.2894,
0.5295

■ 42.3297, 0.2896,
0.5022

■ 43.4343, 0.2911,
0.4730

■ 44.8563, 0.2936,
0.4437

■ 46.6184, 0.2970,
0.4153

■ 48.7410, 0.3010,
0.3888

■ 51.2429, 0.3052,
0.3646

■ 54.1415, 0.3096,
0.3430

Harmonies

Analogous

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



40.6403, 0.4053, 0.5502



40.6403, 0.2930, 0.5725



40.6403, 0.1908, 0.4601

Triad

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



40.6403, 0.2930, 0.5725



40.6403, 0.1309, 0.1583



40.6403, 0.5341, 0.3006

Complementary

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



40.6403, 0.2930, 0.5725



14.5134, 0.3840, 0.1901

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.



40.6403, 0.4208, 0.2314



40.6403, 0.2930, 0.5725



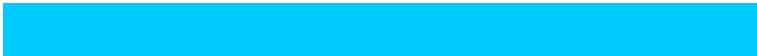
40.6403, 0.1851, 0.1540

Square

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



40.6403, 0.2930, 0.5725



40.6403, 0.1128, 0.2002



40.6403, 0.2847, 0.1793



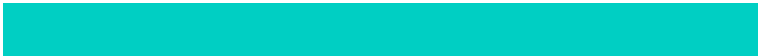
40.6403, 0.5601, 0.3774

Rectangle

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



40.6403, 0.2930, 0.5725



40.6403, 0.1444, 0.3494



40.6403, 0.2847, 0.1793



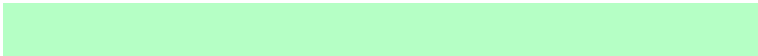
40.6403, 0.5040, 0.2764

Sweetspot

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



40.6420, 0.2930, 0.5725



85.3978, 0.3001, 0.3945



47.5040, 0.3818, 0.5335



17.9269, 0.2983, 0.4060



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.



40.6420, 0.2930, 0.5725



71.8081, 0.2942, 0.5791



42.4263, 0.2508, 0.4212



11.9256, 0.3086, 0.3475



26.3929, 0.2931, 0.5750



1.2609, 0.2817, 0.5342

Inverse Universe

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



14.5134, 0.3840, 0.1901



25.3715, 0.3875, 0.1908



12.4555, 0.5749, 0.2962



10.7750, 0.3171, 0.3112



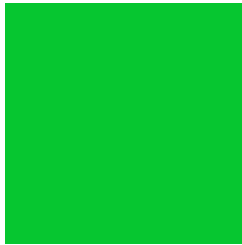
9.3450, 0.3853, 0.1896



0.4527, 0.3693, 0.1808

Previews

White Background



This preview shows how the Yxy color 40.6403, 0.2930, 0.5725 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 40.6403, 0.2930, 0.5725 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

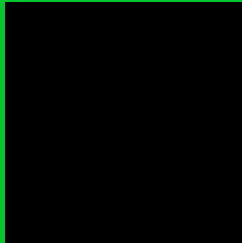
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.6403, 0.2930, 0.5725

Background



This preview shows how black text looks on a background with the Yxy color 40.6403, 0.2930, 0.5725.



This preview shows how white text looks on a background with the Yxy color 40.6403, 0.2930, 0.5725.

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

40.6403, 0.2930, 0.5725

Protanopia

39.8567, 0.4299, 0.4758

Deuteranopia

39.6975, 0.4479, 0.4390



Tritanopia

40.6619, 0.2354, 0.3063

Trichromacy



Original Color

40.6403, 0.2930, 0.5725



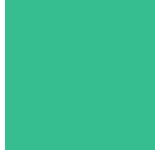
Protanomaly

37.0353, 0.3554, 0.5276



Deuteranomaly

35.8118, 0.3649, 0.5015



Tritanomaly

39.6555, 0.2560, 0.4054

Monochromacy



Original Color

40.6403, 0.2930, 0.5725



Achromatopsia

19.8069, 0.3127, 0.3290



Achromatomaly

24.3627, 0.2936, 0.4382

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.6403, 0.2930, 0.5725 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(6, 198, 48)` looks like.

```
.text, #text, p{  
    color:rgb(6, 198, 48)  
}
```

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(6, 198, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(6, 198, 48) }
```

Border

The CSS property to change the border of an element to Yxy 40.6403, 0.2930, 0.5725 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(6, 198, 48) }
```

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

```
.border{ border-color:rgb(6, 198, 48) }
```

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

Here you see how a box with a 4 pixel `rgb(6, 198, 48)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(6, 198, 48); -webkit-box-  
shadow:4px 4px 4px 4px rgb(6, 198, 48);  
box-shadow:4px 4px 4px 4px rgb(6, 198, 48)  
}
```


Background

The CSS property to change the background color of an element to Yxy 40.6403, 0.2930, 0.5725 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(6, 198, 48) }
```

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

```
.background{ background-color: rgb(6, 198,  
48) }
```

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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