

Converting Colors

$Y_{xy}(40.0256, 0.3141, 0.5671)$

Have a look what the booklet for
Yxy(40.0256, 0.3141, 0.5671)
contains.

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Color

Yxy(40.0256, 0.3141, 0.5671)

Conversions

Conversions Part 1

Format	Color
Hex	46C226
RGB	70, 194, 38
RGB Percent	27%, 76%, 15%
CMY	0.7253, 0.2392, 0.8512
CMYK	0.64, 0.00, 0.80, 0.24
HSL	108°, 67%, 45%
HSV	108°, 80%, 76%
XYZ	22.1690, 40.0256, 8.3848
YIQ	139.1400, -23.8280, -74.8040

Conversions

Conversions Part 2

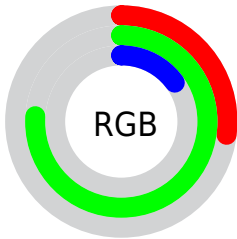
Format	Color
RYB	38, 194, 162
Decimal	4637222
CIELab	69.49, -60.70, 62.30
CIELCh	69, 86.986, 134.254
Yxy	40.0256, 0.3141, 0.5671
Android (android.graphics.Color)	4282827302 (0xFF46C226)
YUV	139.1400, -49.8620, -60.6358
Hunter-Lab	63.2658, -48.1668, 36.4281

Details

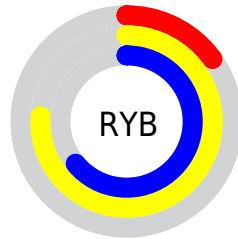
The Yxy color **40.0256, 0.3141, 0.5671** is a dark color, and the websafe version is hex **33CC33**. The color can be described as dark muted green. A complement of this color would be **12.9468, 0.2798, 0.1431**, and the grayscale version is **26.0812, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.4704, 0.3205, 0.5186**, and **18.4652, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **39.4314, 0.3106, 0.5842**, and if you desaturate by 10%, it is **40.8354, 0.3168, 0.5430**.

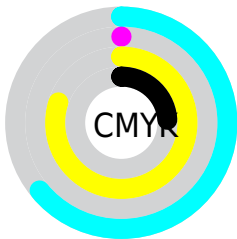
Distribution



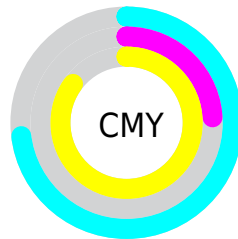
- Red (27%)
- Green (76%)
- Blue (15%)



- Red (15%)
- Yellow (76%)
- Blue (64%)



- Cyan (64%)
- Magenta (0%)
- Yellow (80%)
- Black (24%)



- Cyan (73%)
- Magenta (24%)
- Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.0256, 0.3141, 0.5671 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 40.0256, 0.3141, 0.5671 by changing the saturation by 10% instead.


 40.0256, 0.3141,
0.5671


 40.0256, 0.3141,
0.5671


346.2315, 0.3237,
0.4377


 27.5585, 0.3071,
0.6003


 75.2025, 0.3208,
0.5187

 17.9931, 0.2951,
0.6420


 98.6811, 0.3223,
0.5008


 10.9450, 0.2758,
0.6984


 126.5990, 0.3231,
0.4859

 6.0299, 0.2383,
0.7617

 159.3405, 0.3236,
0.4732

 2.8633, 0.1657,
0.8343

 197.2902, 0.3238,
0.4624

 1.0608, 0.0000,
1.0000

 240.8323, 0.3239,

 0.0000, 0.0000,

0.4530

0.0000

290.3512, 0.3238,
0.4449

■ 40.0256, 0.3141,
0.5671

■ 40.0256, 0.3141,
0.5671

■ 39.4314, 0.3106,
0.5842

■ 40.8354, 0.3168,
0.5430

■ 39.0334, 0.3071,
0.5944

■ 41.8748, 0.3186,
0.5136

■ 43.1626, 0.3193,
0.4810

■ 44.7139, 0.3191,
0.4475

■ 46.5426, 0.3181,
0.4146

■ 48.6617, 0.3166,
0.3837

■ 51.0833, 0.3148,
0.3555

■ 53.8189, 0.3128,
0.3301

■ 56.8791, 0.3107,
0.3076

Harmonies

Analogous

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



40.0256, 0.4225, 0.5320



40.0256, 0.3141, 0.5671



40.0256, 0.2105, 0.4799

Triad

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



40.0256, 0.3141, 0.5671



40.0256, 0.1304, 0.1673



40.0256, 0.5122, 0.2904

Complementary

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



40.0256, 0.3141, 0.5671



12.9468, 0.2798, 0.1431

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.



40.0256, 0.3941, 0.2244



40.0256, 0.3141, 0.5671



40.0256, 0.1772, 0.1573

Square

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



40.0256, 0.3141, 0.5671



40.0256, 0.1183, 0.2169



40.0256, 0.2664, 0.1774



40.0256, 0.5542, 0.3649

Rectangle

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



40.0256, 0.3141, 0.5671



40.0256, 0.1595, 0.3755



40.0256, 0.2664, 0.1774



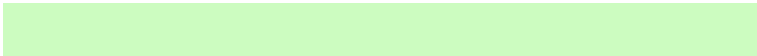
40.0256, 0.4787, 0.2671

Sweetspot

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



40.0273, 0.3141, 0.5671



86.5873, 0.3173, 0.3956



36.8152, 0.4450, 0.4655



18.6595, 0.3178, 0.4069



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.



40.0273, 0.3141, 0.5671



70.8187, 0.3074, 0.5926



39.6063, 0.2854, 0.5229



11.3564, 0.3146, 0.3526



25.6918, 0.3077, 0.5939



1.1401, 0.3231, 0.5816

Inverse Universe

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



12.9468, 0.2798, 0.1431



19.7867, 0.2699, 0.1269



15.0465, 0.3860, 0.2043



10.1395, 0.3106, 0.3061



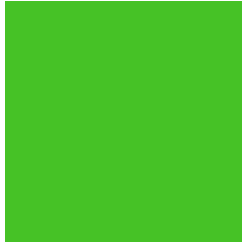
7.1187, 0.2698, 0.1260



0.3346, 0.2819, 0.1326

Previews

White Background



This preview shows how the Yxy color 40.0256, 0.3141, 0.5671 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 40.0256, 0.3141, 0.5671 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 40.0256, 0.3141, 0.5671

Background



This preview shows how black text looks on a background with the Yxy color 40.0256, 0.3141, 0.5671.



This preview shows how white text looks on a background with the Yxy color 40.0256, 0.3141, 0.5671.

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

40.0256, 0.3141, 0.5671

Protanopia

39.4220, 0.4344, 0.4801

Deuteranopia

39.2663, 0.4535, 0.4438



Tritanopia

39.9309, 0.2474, 0.3080

Trichromacy



Original Color

40.0256, 0.3141, 0.5671



Protanomaly

38.0673, 0.3817, 0.5178



Deuteranomaly

37.2004, 0.3947, 0.4926



Tritanomaly

39.2281, 0.2767, 0.4086

Monochromacy



Original Color

40.0256, 0.3141, 0.5671



Achromatopsia

25.8183, 0.3127, 0.3290



Achromatomaly

29.3330, 0.3189, 0.4304

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.0256, 0.3141, 0.5671 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(70, 194, 38)` looks like.

```
.text, #text, p{  
    color:rgb(70, 194, 38)  
}
```

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(70, 194, 38) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 194, 38) }
```

Border

The CSS property to change the border of an element to Yxy 40.0256, 0.3141, 0.5671 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(70, 194, 38) }
```

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

```
.border{ border-color:rgb(70, 194, 38) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 194, 38)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 194, 38); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 194, 38);  
box-shadow:4px 4px 4px 4px rgb(70, 194,  
38) }
```


Background

The CSS property to change the background color of an element to Yxy 40.0256, 0.3141, 0.5671 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 194, 38) }
```

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

```
.background{ background-color: rgb(70, 194,  
38) }
```

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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