

Converting Colors

$Y_{xy}(8.7076, 0.1349, 0.5171)$

Have a look what the booklet for
Yxy(8.7076, 0.1349, 0.5171)
contains.

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Color

Yxy(10.6343, 0.2639, 0.4702)

Conversions

Conversions Part 1

Format	Color
Hex	006A3C
RGB	0, 106, 60
RGB Percent	0%, 42%, 24%
CMY	1.0000, 0.5843, 0.7647
CMYK	1.00, 0.00, 0.43, 0.58
HSL	154°, 100%, 21%
HSV	154°, 100%, 42%
XYZ	5.9685, 10.6343, 6.0137
YIQ	69.0620, -48.4100, -36.7780

Conversions

Conversions Part 2

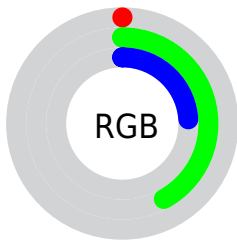
Format	Color
RYB	0, 68, 106
Decimal	27196
CIELab	38.96, -38.15, 18.59
CIELCh	39, 42.437, 154.021
Yxy	10.6343, 0.2639, 0.4702
Android (android.graphics.Color)	4278217276 (0xFF006A3C)
YUV	69.0620, -4.4676, -60.5674
Hunter-Lab	32.6103, -24.3980, 11.8934

Details

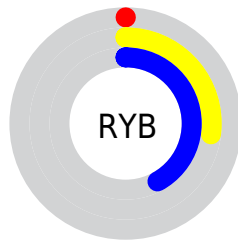
The Yxy color **10.6343, 0.2639, 0.4702** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **3.2618, 0.5120, 0.2594**, and the grayscale version is **5.9759, 0.3127, 0.3290**.

A 20% lighter version of the original color is **26.8760, 0.2789, 0.4276**, and **2.9667, 0.2818, 0.5344** is the 20% darker color. If you saturate the color by 10%, you get **10.6356, 0.2639, 0.4702**, and if you desaturate by 10%, it is **10.7548, 0.2632, 0.4543**.

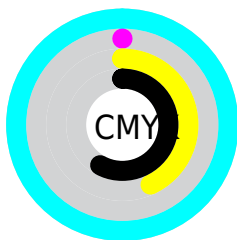
Distribution



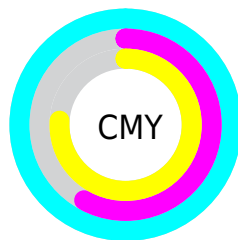
- Red (0%)
- Green (42%)
- Blue (24%)



- Red (0%)
- Yellow (27%)
- Blue (42%)



- Cyan (100%)
- Magenta (0%)
- Yellow (43%)
- Black (58%)





- Cyan (100%)
- Magenta (58%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.6343, 0.2639, 0.4702 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 10.6343, 0.2639, 0.4702 by changing the saturation by 10% instead.


 10.6343, 0.2639,
0.4702


 10.6343, 0.2639,
0.4702


195.1411, 0.2969,
0.3773


 5.8215, 0.2499,
0.5074

 26.9819, 0.2792,
0.4282


 2.7368, 0.2254,
0.5695


 39.2855, 0.2838,
0.4153

 0.9959, 0.0112,
0.9888

 54.8548, 0.2873,
0.4053

 0.0000, 0.0000,
0.0000

 74.0743, 0.2900,
0.3974


 97.3282, 0.2922,
0.3910


 125.0011, 0.2940,


0.3856


 157.4773, 0.2956,
0.3812


 10.6343, 0.2639,
0.4702


 10.6343, 0.2639,
0.4702

 10.6356, 0.2639,
0.4702

 10.7548, 0.2632,
0.4543

 10.9031, 0.2633,
0.4383

 11.1050, 0.2652,
0.4223

 11.3659, 0.2688,
0.4065

 11.6908, 0.2739,
0.3912

■ 12.0841, 0.2802,
0.3767

■ 12.5495, 0.2875,
0.3632

■ 13.0909, 0.2955,
0.3507

■ 13.7115, 0.3040,
0.3393

Harmonies

Analogous

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



10.6343, 0.3527, 0.5094



10.6343, 0.2639, 0.4702



10.6343, 0.1935, 0.3675

Triad

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



10.6343, 0.2639, 0.4702



10.6343, 0.1867, 0.1893



10.6343, 0.4968, 0.3451

Complementary

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



10.6343, 0.2639, 0.4702



3.2618, 0.5120, 0.2594

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.



10.6343, 0.4390, 0.2820



10.6343, 0.2639, 0.4702



10.6343, 0.2495, 0.1971

Square

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



10.6343, 0.2639, 0.4702



10.6343, 0.1566, 0.2106



10.6343, 0.3419, 0.2298



10.6343, 0.4918, 0.4125

Rectangle

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



10.6343, 0.2639, 0.4702



10.6343, 0.1657, 0.2980



10.6343, 0.3419, 0.2298



10.6343, 0.4842, 0.3233

Sweetspot

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



10.6356, 0.2639, 0.4702



21.9496, 0.2869, 0.3642



10.9304, 0.3336, 0.5733



5.0812, 0.2846, 0.3683



55.4222, 0.3127, 0.3290



5.9254, 0.3127, 0.3290

Same Dimension

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



10.6356, 0.2639, 0.4702



18.6403, 0.2651, 0.4742



10.2910, 0.2206, 0.3141



3.4708, 0.3049, 0.3382



13.1907, 0.2644, 0.4719



67.0355, 0.2668, 0.4806

Inverse Universe

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



3.2618, 0.5120, 0.2594



5.7014, 0.5182, 0.2628



3.1796, 0.6332, 0.3354



3.1366, 0.3213, 0.3200



4.0409, 0.5145, 0.2608



20.4218, 0.5280, 0.2682

Previews

White Background



This preview shows how the Yxy color 10.6343, 0.2639, 0.4702 looks on a white 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 × Fail

Black Background



This preview shows how the Yxy color 10.6343, 0.2639, 0.4702 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.6343, 0.2639, 0.4702

Background



This preview shows how black text looks on a background with the Yxy color 10.6343, 0.2639, 0.4702.



This preview shows how white text looks on a background with the Yxy color 10.6343, 0.2639, 0.4702.

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

10.6343, 0.2639, 0.4702

Protanopia

10.6395, 0.3823, 0.4162

Deuteranopia

10.6008, 0.3877, 0.3833



Tritanopia

10.6498, 0.2337, 0.3052

Trichromacy



Original Color

10.6343, 0.2639, 0.4702

Protanomaly

9.9348, 0.3171, 0.4420

Deuteranomaly

9.8085, 0.3173, 0.4182

Tritanomaly

10.4647, 0.2423, 0.3602

Monochromacy



Original Color

10.6343, 0.2639, 0.4702

Achromatopsia

5.9511, 0.3127, 0.3290

Achromatomaly

6.9634, 0.2763, 0.3819

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.6343, 0.2639, 0.4702 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(0, 106, 60)` looks like.

```
.text, #text, p{  
    color:rgb(0, 106, 60)  
}
```

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(0, 106, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 106, 60) }
```

Border

The CSS property to change the border of an element to Yxy 10.6343, 0.2639, 0.4702 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(0, 106, 60) }
```

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

```
.border{ border-color:rgb(0, 106, 60) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 106, 60)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 106, 60); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 106, 60);  
box-shadow:4px 4px 4px 4px rgb(0, 106, 60)  
}
```


Background

The CSS property to change the background color of an element to Yxy 10.6343, 0.2639, 0.4702 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 106, 60) }
```

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

```
.background{ background-color: rgb(0, 106,  
60) }
```

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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