

Converting Colors

$Yxy(10.1224, 0.2851, 0.5463)$

Have a look what the booklet for
Yxy(10.1224, 0.2851, 0.5463)
contains.

Yxy(10.2130, 0.2853, 0.5471)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

$Y_{xy}(10.2130, 0.2853, 0.5471)$

Conversions

Conversions Part 1

Format	Color
Hex	006921
RGB	0, 105, 33
RGB Percent	0%, 41%, 13%
CMY	1.0000, 0.5882, 0.8706
CMYK	1.00, 0.00, 0.69, 0.59
HSL	139°, 100%, 21%
HSV	139°, 100%, 41%
XYZ	5.3258, 10.2130, 3.1287
YIQ	65.3970, -39.4680, -44.6520

Conversions

Conversions Part 2

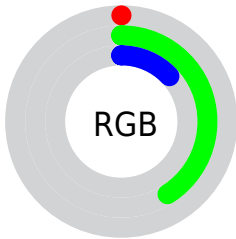
Format	Color
RYB	0, 80, 105
Decimal	26913
CIELab	38.22, -42.38, 32.23
CIElCh	38, 53.245, 142.751
Yxy	10.2130, 0.2853, 0.5471
Android (android.graphics.Color)	4278216993 (0xFF006921)
YUV	65.3970, -15.9717, -57.3532
Hunter-Lab	31.9578, -26.1787, 16.5659

Details

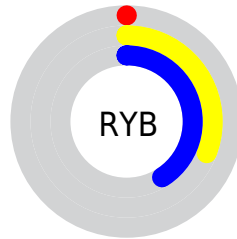
The Yxy color **10.2130, 0.2853, 0.5471** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **3.4715, 0.4139, 0.2054**, and the grayscale version is **5.3798, 0.3127, 0.3290**.

A 20% lighter version of the original color is **26.0857, 0.2988, 0.4807**, and **2.8283, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **10.2135, 0.2853, 0.5471**, and if you desaturate by 10%, it is **10.3261, 0.2839, 0.5263**.

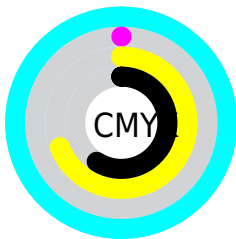
Distribution



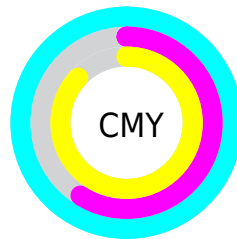
- Red (0%)
- Green (41%)
- Blue (13%)



- Red (0%)
- Yellow (31%)
- Blue (41%)



- Cyan (100%)
- Magenta (0%)
- Yellow (69%)
- Black (59%)





- Cyan (100%)
- Magenta (59%)
- Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.2130, 0.2853, 0.5471 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 10.2130, 0.2853, 0.5471 by changing the saturation by 10% instead.

 10.2130, 0.2853,
0.5471


 10.2130, 0.2853,
0.5471


192.1856, 0.3092,
0.4021


 5.5404, 0.2698,
0.6037


 26.1954, 0.2988,
0.4816


 2.5677, 0.2560,
0.7440


 38.2739, 0.3021,
0.4613

 0.9105, 0.0000,
1.0000

 53.5900, 0.3043,
0.4457


 0.0000, 0.0000,
0.0000


 72.5278, 0.3059,
0.4333


 95.4719, 0.3071,
0.4233


 122.8067, 0.3080,


0.4150


 154.9164, 0.3087,
0.4080


 10.2130, 0.2853,
0.5471


 10.2130, 0.2853,
0.5471


 10.2135, 0.2853,
0.5471

 10.3261, 0.2839,
0.5263

 10.4716, 0.2829,
0.5035

 10.6749, 0.2833,
0.4792

 10.9416, 0.2852,
0.4542

 11.2768, 0.2883,
0.4296

■ 11.6851, 0.2923,
0.4060

■ 12.1706, 0.2970,
0.3839

■ 12.7371, 0.3021,
0.3637

■ 13.3882, 0.3074,
0.3454

Harmonies

Analogous

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



10.2130, 0.3923, 0.5443



10.2130, 0.2853, 0.5471



10.2130, 0.1907, 0.4327

Triad

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



10.2130, 0.2853, 0.5471



10.2130, 0.1441, 0.1654



10.2130, 0.5263, 0.3125

Complementary

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



10.2130, 0.2853, 0.5471



3.4715, 0.4139, 0.2054

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.



10.2130, 0.4280, 0.2444



10.2130, 0.2853, 0.5471



10.2130, 0.2011, 0.1643

Square

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



10.2130, 0.2853, 0.5471



10.2130, 0.1230, 0.2020



10.2130, 0.3005, 0.1918



10.2130, 0.5432, 0.3879

Rectangle

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



10.2130, 0.2853, 0.5471



10.2130, 0.1491, 0.3333



10.2130, 0.3005, 0.1918



10.2130, 0.5011, 0.2888

Sweetspot

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



10.2135, 0.2853, 0.5471



21.7111, 0.2965, 0.3857



11.5399, 0.3698, 0.5445



5.0213, 0.2951, 0.3923



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.



10.2135, 0.2853, 0.5471



18.2674, 0.2867, 0.5520



10.7439, 0.2418, 0.3906



3.4590, 0.3079, 0.3436



12.9253, 0.2859, 0.5493



65.7185, 0.2886, 0.5591

Inverse Universe

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



3.4715, 0.4139, 0.2054



6.1937, 0.4172, 0.2072



3.0576, 0.5959, 0.3056



3.1485, 0.3179, 0.3148



4.3885, 0.4153, 0.2062



22.1994, 0.4221, 0.2099

Previews

White Background



This preview shows how the Yxy color 10.2130, 0.2853, 0.5471 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 10.2130, 0.2853, 0.5471 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 10.2130, 0.2853, 0.5471

Background



This preview shows how black text looks on a background with the Yxy color 10.2130, 0.2853, 0.5471.



This preview shows how white text looks on a background with the Yxy color 10.2130, 0.2853, 0.5471.

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

10.2130, 0.2853, 0.5471

Protanopia

10.1677, 0.4193, 0.4611

Deuteranopia

10.1883, 0.4298, 0.4265



Tritanopia

10.2896, 0.2381, 0.3075

Trichromacy



Original Color

10.2130, 0.2853, 0.5471

Protanomaly

9.3681, 0.3480, 0.5062

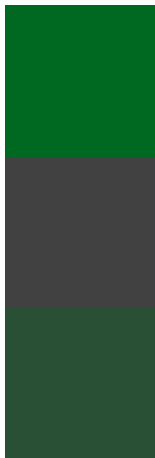
Deuteranomaly

9.3019, 0.3541, 0.4811

Tritanomaly

10.1049, 0.2543, 0.3943

Monochromacy



Original Color

10.2130, 0.2853, 0.5471

Achromatopsia

5.2861, 0.3127, 0.3290

Achromatomaly

6.4658, 0.2897, 0.4233

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.2130, 0.2853, 0.5471 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, 105, 33)` looks like.

```
.text, #text, p{  
    color:rgb(0, 105, 33)  
}
```

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, 105, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 105, 33) }
```

Border

The CSS property to change the border of an element to Yxy 10.2130, 0.2853, 0.5471 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, 105, 33) }
```

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

```
.border{ border-color:rgb(0, 105, 33) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 105, 33)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 105, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 105, 33);  
box-shadow:4px 4px 4px 4px rgb(0, 105, 33)  
}
```


Background

The CSS property to change the background color of an element to Yxy 10.2130, 0.2853, 0.5471 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 105, 33) }
```

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

```
.background{ background-color: rgb(0, 105,  
33) }
```

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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