

Converting Colors

$Y_{xy}(9.9189, 0.2839, 0.5502)$

Have a look what the booklet for
Yxy(9.9189, 0.2839, 0.5502)
contains.

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Color

Yxy(10.0049, 0.2857, 0.5485)

Conversions

Conversions Part 1

Format	Color
Hex	006820
RGB	0, 104, 32
RGB Percent	0%, 41%, 13%
CMY	1.0000, 0.5922, 0.8744
CMYK	1.00, 0.00, 0.69, 0.59
HSL	138°, 100%, 20%
HSV	138°, 100%, 41%
XYZ	5.2113, 10.0049, 3.0243
YIQ	64.6960, -38.8720, -44.4400

Conversions

Conversions Part 2

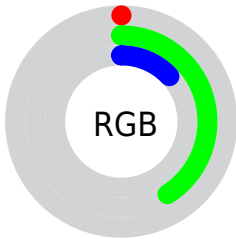
Format	Color
RYB	0, 80, 104
Decimal	26656
CIELab	37.85, -42.17, 32.28
CIELCh	38, 53.103, 142.567
Yxy	10.0049, 0.2857, 0.5485
Android (android.graphics.Color)	4278216736 (0xFF006820)
YUV	64.6960, -16.1191, -56.7384
Hunter-Lab	31.6305, -25.9446, 16.4725

Details

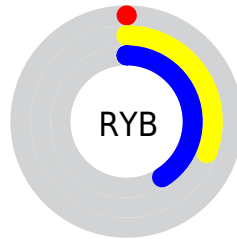
The Yxy color **10.0049, 0.2857, 0.5485** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **3.4111, 0.4115, 0.2041**, and the grayscale version is **5.2678, 0.3127, 0.3290**.

A 20% lighter version of the original color is **25.7338, 0.2995, 0.4814**, and **2.7324, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **10.0052, 0.2857, 0.5485**, and if you desaturate by 10%, it is **10.1160, 0.2843, 0.5277**.

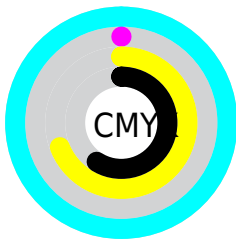
Distribution



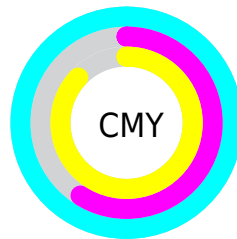
- Red (0%)
- Green (41%)
- Blue (13%)



- 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 10.0049, 0.2857, 0.5485 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 10.0049, 0.2857, 0.5485 by changing the saturation by 10% instead.


 10.0049, 0.2857,
0.5485

 10.0049, 0.2857,
0.5485


190.7070, 0.3095,
0.4022


 5.4022, 0.2700,
0.6058

 25.8047, 0.2993,
0.4823

 2.4851, 0.2546,
0.7454


 37.7706, 0.3025,
0.4618

 0.8692, 0.0000,
1.0000

 52.9597, 0.3047,
0.4461


 0.0000, 0.0000,
0.0000


 71.7564, 0.3063,
0.4336

 94.5451, 0.3074,
0.4235


 121.7102, 0.3083,


0.4152


 153.6360, 0.3090,
0.4082


 10.0049, 0.2857,
0.5485


 10.0049, 0.2857,
0.5485


 10.0052, 0.2857,
0.5485

 10.1160, 0.2843,
0.5277

 10.2588, 0.2833,
0.5048

 10.4582, 0.2838,
0.4803

 10.7199, 0.2856,
0.4552

 11.0487, 0.2887,
0.4304

■ 11.4492, 0.2926,
0.4066

■ 11.9254, 0.2972,
0.3843

■ 12.4810, 0.3022,
0.3639

■ 13.1196, 0.3075,
0.3455

Harmonies

Analogous

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



10.0049, 0.3930, 0.5447



10.0049, 0.2857, 0.5485



10.0049, 0.1907, 0.4341

Triad

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



10.0049, 0.2857, 0.5485



10.0049, 0.1433, 0.1650



10.0049, 0.5267, 0.3118

Complementary

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



10.0049, 0.2857, 0.5485



3.4111, 0.4115, 0.2041

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.



10.0049, 0.4277, 0.2437



10.0049, 0.2857, 0.5485



10.0049, 0.2003, 0.1637

Square

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



10.0049, 0.2857, 0.5485



10.0049, 0.1224, 0.2018



10.0049, 0.2997, 0.1911



10.0049, 0.5441, 0.3873

Rectangle

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



10.0049, 0.2857, 0.5485



10.0049, 0.1488, 0.3341



10.0049, 0.2997, 0.1911



10.0049, 0.5013, 0.2881

Sweetspot

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



10.0053, 0.2857, 0.5485



20.8450, 0.2968, 0.3862



11.3097, 0.3699, 0.5445



5.0199, 0.2953, 0.3929



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.



10.0053, 0.2857, 0.5485



17.5342, 0.2870, 0.5533



10.5286, 0.2418, 0.3905



3.1552, 0.3080, 0.3436



12.3278, 0.2862, 0.5505



64.1553, 0.2890, 0.5605

Inverse Universe

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



3.4111, 0.4115, 0.2041



5.9634, 0.4146, 0.2058



2.9968, 0.5956, 0.3055



2.8754, 0.3177, 0.3148



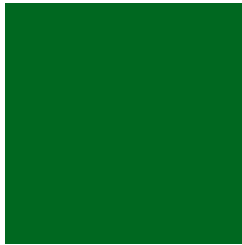
4.1987, 0.4128, 0.2047



21.7368, 0.4196, 0.2085

Previews

White Background



This preview shows how the Yxy color 10.0049, 0.2857, 0.5485 looks on a white background.

Color Contrast Check

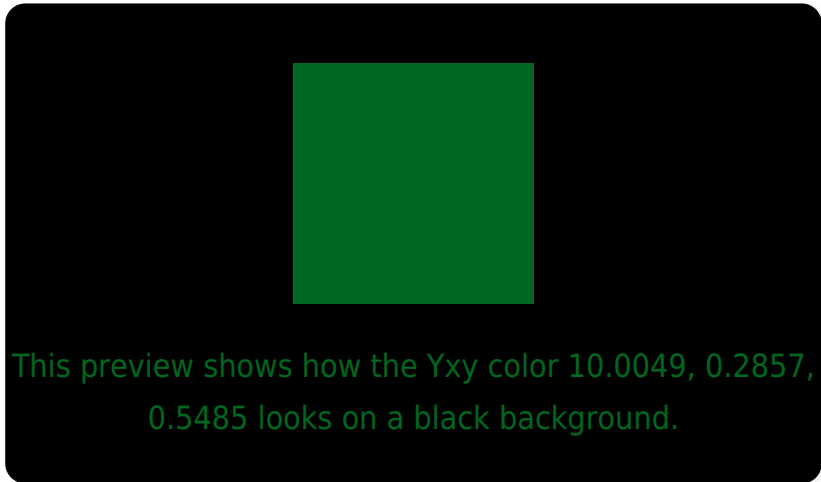
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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 10.0049, 0.2857, 0.5485

Background



This preview shows how black text looks on a background with the Yxy color 10.0049, 0.2857, 0.5485.



This preview shows how white text looks on a background with the Yxy color 10.0049, 0.2857, 0.5485.

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

10.0049, 0.2857, 0.5485

Protanopia

9.9379, 0.4200, 0.4619

Deuteranopia

9.9585, 0.4308, 0.4271



Tritanopia

10.0615, 0.2376, 0.3073

Trichromacy



Original Color

10.0049, 0.2857, 0.5485

Protanomaly

9.1841, 0.3497, 0.5067

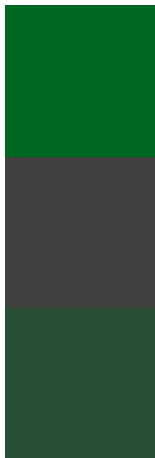
Deuteranomaly

9.0838, 0.3544, 0.4825

Tritanomaly

9.8974, 0.2547, 0.3949

Monochromacy



Original Color

10.0049, 0.2857, 0.5485

Achromatopsia

5.2861, 0.3127, 0.3290

Achromatomaly

6.3204, 0.2896, 0.4205

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.0049, 0.2857, 0.5485 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, 104, 32)` looks like.

```
.text, #text, p{  
    color:rgb(0, 104, 32)  
}
```

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, 104, 32) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 104, 32) }
```

Border

The CSS property to change the border of an element to Yxy 10.0049, 0.2857, 0.5485 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, 104, 32) }
```

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

```
.border{ border-color:rgb(0, 104, 32) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 104, 32)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 104, 32); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 104, 32);  
box-shadow:4px 4px 4px 4px rgb(0, 104, 32)  
}
```


Background

The CSS property to change the background color of an element to Yxy 10.0049, 0.2857, 0.5485 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 104, 32) }
```

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

```
.background{ background-color: rgb(0, 104,  
32) }
```

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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