

Converting Colors

$Y_{xy}(11.9697, 0.2530, 0.5936)$

Have a look what the booklet for
Yxy(11.9697, 0.2530, 0.5936)
contains.

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Color

$\text{Yxy}(12.8017, 0.2912, 0.5684)$

Conversions

Conversions Part 1

Format	Color
Hex	00751B
RGB	0, 117, 27
RGB Percent	0%, 46%, 11%
CMY	1.0000, 0.5412, 0.8941
CMYK	1.00, 0.00, 0.77, 0.54
HSL	134°, 100%, 23%
HSV	134°, 100%, 46%
XYZ	6.5585, 12.8017, 3.1621
YIQ	71.7570, -40.8420, -52.7940

Conversions

Conversions Part 2

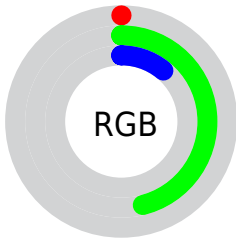
Format	Color
RYB	0, 95, 117
Decimal	29979
CIELab	42.46, -46.91, 39.32
CIELCh	42, 61.214, 140.031
Yxy	12.8017, 0.2912, 0.5684
Android (android.graphics.Color)	4278220059 (0xFF00751B)
YUV	71.7570, -22.0652, -62.9309
Hunter-Lab	35.7795, -29.8944, 19.8057

Details

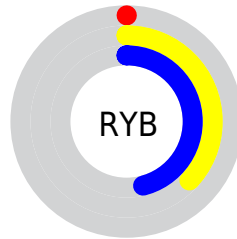
The Yxy color **12.8017, 0.2912, 0.5684** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **4.5204, 0.3864, 0.1902**, and the grayscale version is **6.4808, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.8631, 0.3047, 0.5008**, and **4.0143, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **12.8026, 0.2912, 0.5684**, and if you desaturate by 10%, it is **12.9269, 0.2898, 0.5487**.

Distribution



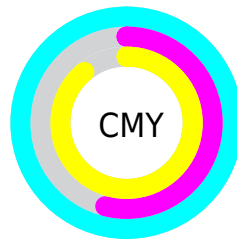
- Red (0%)
- Green (46%)
- Blue (11%)



- Red (0%)
- Yellow (37%)
- Blue (46%)



- Cyan (100%)
- Magenta (0%)
- Yellow (77%)
- Black (54%)





- Cyan (100%)
- Magenta (54%)
- Yellow (89%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.8017, 0.2912, 0.5684 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 12.8017, 0.2912, 0.5684 by changing the saturation by 10% instead.


 12.8017, 0.2912,
0.5684


 12.8017, 0.2912,
0.5684


209.6429, 0.3130,
0.4138


 7.2921, 0.2762,
0.6232


 30.9471, 0.3043,
0.5010

 3.6455, 0.2595,
0.7405

 44.3517, 0.3073,
0.4793


 1.4773, 0.1011,
0.8989

 61.1567, 0.3092,
0.4624

 0.2727, 0.0000,
1.0000


 81.7467, 0.3106,
0.4488


 0.0000, 0.0000,
0.0000

 106.5058, 0.3115,
0.4376


 135.8187, 0.3122,

0.4283


 170.0695, 0.3126,
0.4205


 12.8017, 0.2912,
0.5684


 12.8017, 0.2912,
0.5684


 12.8026, 0.2912,
0.5684

 12.9269, 0.2898,
0.5487

 13.0999, 0.2887,
0.5255

 13.3490, 0.2889,
0.4993

 13.6820, 0.2904,
0.4717

 14.1061, 0.2929,
0.4439

■ 14.6273, 0.2961,
0.4170

■ 15.2512, 0.3000,
0.3917

■ 15.9832, 0.3041,
0.3685

■ 16.8280, 0.3084,
0.3476

Harmonies

Analogous

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



12.8017, 0.4027, 0.5499



12.8017, 0.2912, 0.5684



12.8017, 0.1903, 0.4548

Triad

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



12.8017, 0.2912, 0.5684



12.8017, 0.1331, 0.1592



12.8017, 0.5333, 0.3029

Complementary

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



12.8017, 0.2912, 0.5684



4.5204, 0.3864, 0.1902

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.



12.8017, 0.4228, 0.2337



12.8017, 0.2912, 0.5684



12.8017, 0.1880, 0.1556

Square

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



12.8017, 0.2912, 0.5684



12.8017, 0.1143, 0.2001



12.8017, 0.2878, 0.1814



12.8017, 0.5573, 0.3795

Rectangle

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



12.8017, 0.2912, 0.5684



12.8017, 0.1448, 0.3459



12.8017, 0.2878, 0.1814



12.8017, 0.5042, 0.2788

Sweetspot

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



12.8026, 0.2912, 0.5684



27.2152, 0.2997, 0.3936



14.9810, 0.3830, 0.5341



6.1689, 0.2984, 0.4018



60.3827, 0.3127, 0.3290



7.3239, 0.3127, 0.3290

Same Dimension

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



12.8026, 0.2912, 0.5684



22.9057, 0.2923, 0.5723



13.3613, 0.2499, 0.4197



4.1108, 0.3088, 0.3457



14.1025, 0.2914, 0.5691



68.6112, 0.2936, 0.5771

Inverse Universe

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



4.5204, 0.3864, 0.1902



8.0730, 0.3884, 0.1913



3.8928, 0.5722, 0.2926



3.7442, 0.3168, 0.3128



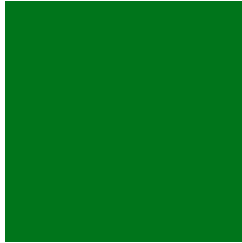
4.9777, 0.3867, 0.1904



24.1214, 0.3910, 0.1928

Previews

White Background



This preview shows how the Yxy color 12.8017, 0.2912, 0.5684 looks on a white background.

Color Contrast Check

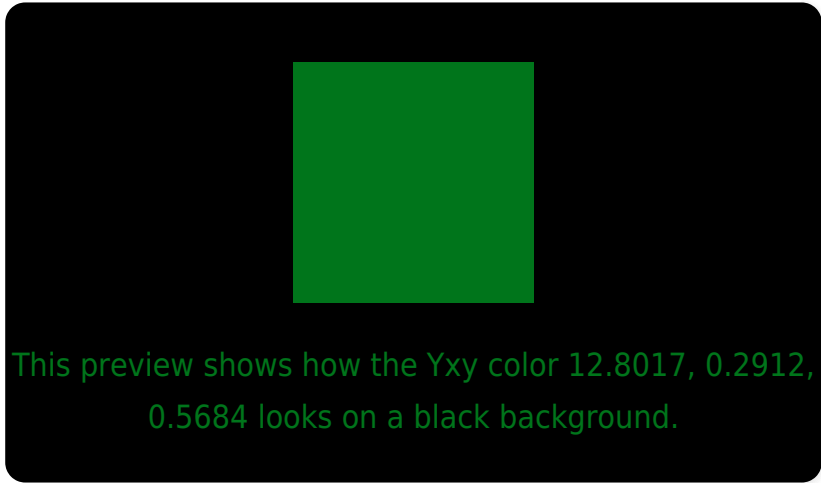
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



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 12.8017, 0.2912, 0.5684

Background



This preview shows how black text looks on a background with the Yxy color 12.8017, 0.2912, 0.5684.



This preview shows how white text looks on a background with the Yxy color 12.8017, 0.2912, 0.5684.

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

12.8017, 0.2912, 0.5684

Protanopia

12.6869, 0.4289, 0.4723

Deuteranopia

12.6718, 0.4441, 0.4373



Tritanopia

12.8737, 0.2375, 0.3070

Trichromacy



Original Color

12.8017, 0.2912, 0.5684

Protanomaly

11.7517, 0.3559, 0.5234

Deuteranomaly

11.5158, 0.3640, 0.4971

Tritanomaly

12.5355, 0.2570, 0.4027

Monochromacy



Original Color

12.8017, 0.2912, 0.5684

Achromatopsia

6.4803, 0.3127, 0.3290

Achromatomaly

7.8458, 0.2937, 0.4323

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.8017, 0.2912, 0.5684 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, 117, 27)` looks like.

```
.text, #text, p{  
    color:rgb(0, 117, 27)  
}
```

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, 117, 27) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 117, 27) }
```

Border

The CSS property to change the border of an element to Yxy 12.8017, 0.2912, 0.5684 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, 117, 27) }
```

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

```
.border{ border-color:rgb(0, 117, 27) }
```

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

Here you see how a box with a 4 pixel rgb(0, 117, 27) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 117, 27); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 117, 27);  
box-shadow:4px 4px 4px 4px rgb(0, 117, 27)  
}
```


Background

The CSS property to change the background color of an element to Yxy 12.8017, 0.2912, 0.5684 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 117, 27) }
```

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

```
.background{ background-color: rgb(0, 117,  
27) }
```

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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