

Converting Colors

$Y_{xy}(13.0023, 0.2985, 0.5872)$

Have a look what the booklet for
Yxy(13.0023, 0.2985, 0.5872)
contains.

Yxy(13.0246, 0.2985, 0.5868)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(13.0246, 0.2985, 0.5868)

Conversions

Conversions Part 1

Format	Color
Hex	06760D
RGB	6, 118, 13
RGB Percent	2%, 46%, 5%
CMY	0.9768, 0.5372, 0.9490
CMYK	0.95, 0.00, 0.89, 0.54
HSL	124°, 90%, 24%
HSV	124°, 95%, 46%
XYZ	6.6255, 13.0246, 2.5459
YIQ	72.5420, -33.0470, -56.3990

Conversions

Conversions Part 2

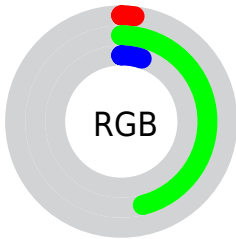
Format	Color
R_{YB}	6, 111, 118
Decimal	423437
CIE _{Lab}	42.80, -47.67, 44.19
CIE _{LCh}	43, 65.003, 137.171
Yxy	13.0246, 0.2985, 0.5868
Android (android.graphics.Color)	4278613517 (0xFF06760D)
YUV	72.5420, -29.3542, -58.3573
Hunter-Lab	36.0896, -30.3870, 21.0802

Details

The Yxy color **13.0246, 0.2985, 0.5868** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **5.1262, 0.3357, 0.1655**, and the grayscale version is **6.6316, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.2486, 0.3118, 0.5151**, and **4.1342, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **12.9742, 0.2981, 0.5933**, and if you desaturate by 10%, it is **13.1500, 0.2985, 0.5697**.

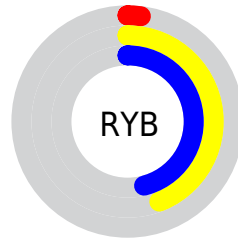
Distribution



Red (2%)

Green (46%)

Blue (5%)



Red (2%)

Yellow (44%)

Blue (46%)

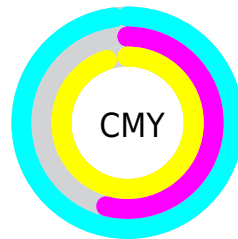


Cyan (95%)

Magenta (0%)

Yellow (89%)

Black (54%)



Cyan (98%)


Magenta (54%)


Yellow (95%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 13.0246, 0.2985, 0.5868 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 13.0246, 0.2985, 0.5868 by changing the saturation by 10% instead.


 13.0246, 0.2985,
0.5868


 13.0246, 0.2985,
0.5868


211.0753, 0.3179,
0.4217


 7.4455, 0.2826,
0.6428


 31.3480, 0.3115,
0.5159


 3.7422, 0.2578,
0.7422

 44.8610, 0.3142,
0.4927

 1.5304, 0.1069,
0.8931

 61.7875, 0.3158,
0.4744

 0.3100, 0.0000,
1.0000


 82.5118, 0.3168,
0.4597


 0.0000, 0.0000,
0.0000


 107.4184, 0.3173,
0.4476

 136.8915, 0.3177,


0.4375


 171.3157, 0.3178,
0.4290


 13.0246, 0.2985,
0.5868


 13.0246, 0.2985,
0.5868


 12.9742, 0.2981,
0.5933

 13.1500, 0.2985,
0.5697

 13.3488, 0.2989,
0.5461

 13.6346, 0.2999,
0.5173

 14.0158, 0.3014,
0.4856

 14.4999, 0.3032,
0.4530

■ 15.0937, 0.3053,
0.4212

■ 15.8032, 0.3075,
0.3914

■ 16.6342, 0.3097,
0.3642

■ 17.5919, 0.3117,
0.3400

Harmonies

Analogous

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



13.0246, 0.4139, 0.5515



13.0246, 0.2985, 0.5868



13.0246, 0.1920, 0.4790

Triad

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



13.0246, 0.2985, 0.5868



13.0246, 0.1232, 0.1545



13.0246, 0.5372, 0.2929

Complementary

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



13.0246, 0.2985, 0.5868



5.1262, 0.3357, 0.1655

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.



13.0246, 0.4145, 0.2232



13.0246, 0.2985, 0.5868



13.0246, 0.1753, 0.1482

Square

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



13.0246, 0.2985, 0.5868



13.0246, 0.1071, 0.2002



13.0246, 0.2740, 0.1719



13.0246, 0.5699, 0.3702

Rectangle

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



13.0246, 0.2985, 0.5868



13.0246, 0.1424, 0.3616



13.0246, 0.2740, 0.1719



13.0246, 0.5038, 0.2685

Sweetspot

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



13.0251, 0.2985, 0.5868



27.2971, 0.3067, 0.4022



16.4418, 0.4096, 0.5085



6.1778, 0.3059, 0.4125



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.



13.0251, 0.2985, 0.5868



22.8037, 0.2986, 0.5950



13.4081, 0.2653, 0.4691



4.1016, 0.3109, 0.3495



14.0345, 0.2982, 0.5935



68.3459, 0.2992, 0.5971

Inverse Universe

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



5.1262, 0.3357, 0.1655



8.7652, 0.3372, 0.1631



4.2695, 0.4944, 0.2556



3.7541, 0.3146, 0.3094



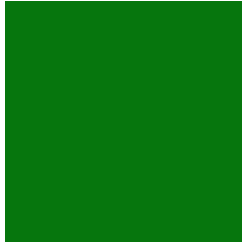
5.3967, 0.3368, 0.1629



26.2511, 0.3378, 0.1634

Previews

White Background



This preview shows how the Yxy color 13.0246, 0.2985, 0.5868 looks on a white background.

Color Contrast Check

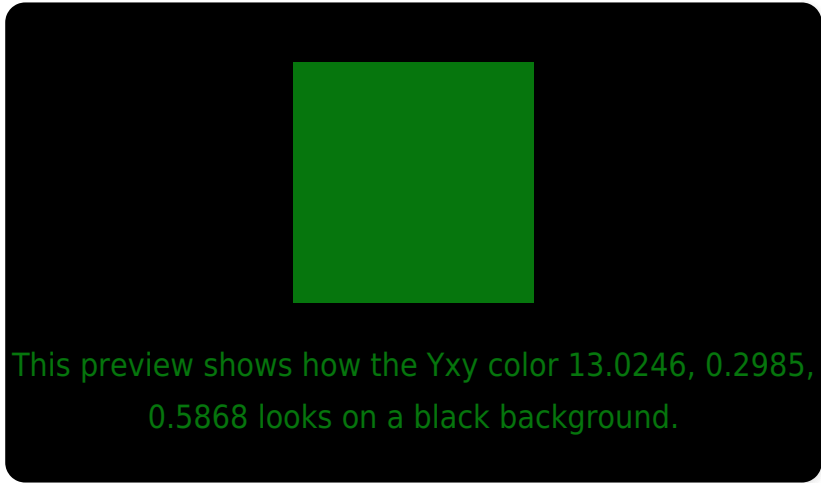
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.0246, 0.2985, 0.5868

Background



This preview shows how black text looks on a background with the Yxy color 13.0246, 0.2985, 0.5868.



This preview shows how white text looks on a background with the Yxy color 13.0246, 0.2985, 0.5868.

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

13.0246, 0.2985, 0.5868

Protanopia

12.8957, 0.4379, 0.4860

Deuteranopia

12.9616, 0.4531, 0.4467



Tritanopia

13.1619, 0.2386, 0.3073

Trichromacy



Original Color

13.0246, 0.2985, 0.5868

Protanomaly

12.0288, 0.3670, 0.5382

Deuteranomaly

11.8015, 0.3753, 0.5108

Tritanomaly

12.7295, 0.2639, 0.4192

Monochromacy



Original Color

13.0246, 0.2985, 0.5868

Achromatopsia

6.6626, 0.3127, 0.3290

Achromatomaly

8.0367, 0.3042, 0.4497

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.0246, 0.2985, 0.5868 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(6, 118, 13)` looks like.

```
.text, #text, p{  
    color:rgb(6, 118, 13)  
}
```

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(6, 118, 13) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(6, 118, 13) }
```

Border

The CSS property to change the border of an element to Yxy 13.0246, 0.2985, 0.5868 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(6, 118, 13) }
```

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

```
.border{ border-color:rgb(6, 118, 13) }
```

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

Here you see how a box with a 4 pixel `rgb(6, 118, 13)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(6, 118, 13); -webkit-box-  
shadow:4px 4px 4px 4px rgb(6, 118, 13);  
box-shadow:4px 4px 4px 4px rgb(6, 118, 13)  
}
```


Background

The CSS property to change the background color of an element to Yxy 13.0246, 0.2985, 0.5868 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(6, 118, 13) }
```

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

```
.background{ background-color: rgb(6, 118,  
13) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor