

Converting Colors

$Y_{xy}(12.9791, 0.2763, 0.5932)$

Have a look what the booklet for
Yxy(12.9791, 0.2763, 0.5932)
contains.

Yxy(13.2442, 0.2945, 0.5801)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(13.2442, 0.2945, 0.5801)

Conversions

Conversions Part 1

Format	Color
Hex	007714
RGB	0, 119, 20
RGB Percent	0%, 47%, 8%
CMY	0.9997, 0.5333, 0.9216
CMYK	1.00, 0.00, 0.83, 0.53
HSL	130°, 100%, 23%
HSV	130°, 100%, 47%
XYZ	6.7237, 13.2442, 2.8630
YIQ	72.1330, -39.1450, -56.0170

Conversions

Conversions Part 2

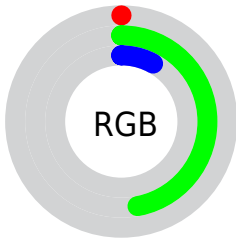
Format	Color
RYB	0, 102, 119
Decimal	30484
CIELab	43.13, -48.08, 42.47
CIELCh	43, 64.152, 138.541
Yxy	13.2442, 0.2945, 0.5801
Android (android.graphics.Color)	4278220564 (0xFF007714)
YUV	72.1330, -25.7016, -63.2606
Hunter-Lab	36.3926, -30.7083, 20.8105

Details

The Yxy color **13.2442, 0.2945, 0.5801** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **4.8263, 0.3663, 0.1792**, and the grayscale version is **6.5587, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.5926, 0.3081, 0.5105**, and **4.2562, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **13.2440, 0.2945, 0.5802**, and if you desaturate by 10%, it is **13.3650, 0.2936, 0.5620**.

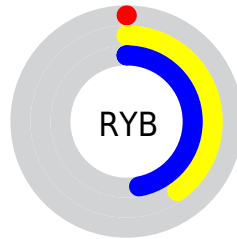
Distribution



Red (0%)

Green (47%)

Blue (8%)



Red (0%)

Yellow (40%)

Blue (47%)

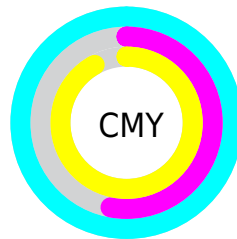


Cyan (100%)

Magenta (0%)

Yellow (83%)

Black (53%)



Cyan (100%)


Magenta (53%)


Yellow (92%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.2442, 0.2945, 0.5801 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 13.2442, 0.2945, 0.5801 by changing the saturation by 10% instead.


 13.2442, 0.2945,
0.5801


 13.2442, 0.2945,
0.5801


212.4768, 0.3155,
0.4191


 7.5969, 0.2789,
0.6354


 31.7418, 0.3077,
0.5107


 3.8381, 0.2578,
0.7422

 45.3609, 0.3106,
0.4881

 1.5834, 0.1160,
0.8840

 62.4061, 0.3124,
0.4703

 0.3464, 0.0000,
1.0000


 83.2617, 0.3136,
0.4560


 0.0000, 0.0000,
0.0000


 108.3122, 0.3144,
0.4442


 137.9420, 0.3149,

0.4344


 172.5354, 0.3152,
0.4262

 13.2442, 0.2945,
0.5801


 13.2442, 0.2945,
0.5801


 13.2440, 0.2945,
0.5802

 13.3650, 0.2936,
0.5620

 13.5383, 0.2928,
0.5393

 13.7927, 0.2931,
0.5125

 14.1366, 0.2943,
0.4835

 14.5776, 0.2965,
0.4537

■ 15.1224, 0.2992,
0.4246

■ 15.7770, 0.3024,
0.3971

■ 16.5472, 0.3058,
0.3718

■ 17.4381, 0.3093,
0.3491

Harmonies

Analogous

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



13.2442, 0.4085, 0.5520



13.2442, 0.2945, 0.5801



13.2442, 0.1902, 0.4682

Triad

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



13.2442, 0.2945, 0.5801



13.2442, 0.1270, 0.1559



13.2442, 0.5370, 0.2973

Complementary

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



13.2442, 0.2945, 0.5801



4.8263, 0.3663, 0.1792

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.



13.2442, 0.4193, 0.2277



13.2442, 0.2945, 0.5801



13.2442, 0.1806, 0.1509

Square

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



13.2442, 0.2945, 0.5801



13.2442, 0.1096, 0.1992



13.2442, 0.2804, 0.1757



13.2442, 0.5653, 0.3745

Rectangle

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



13.2442, 0.2945, 0.5801



13.2442, 0.1425, 0.3538



13.2442, 0.2804, 0.1757



13.2442, 0.5055, 0.2730

Sweetspot

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



13.2447, 0.2945, 0.5801



28.1473, 0.3021, 0.3993



15.8568, 0.3913, 0.5275



6.5717, 0.3010, 0.4085



62.0916, 0.3127, 0.3290



7.8288, 0.3127, 0.3290

Same Dimension

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



13.2447, 0.2945, 0.5801



23.7009, 0.2954, 0.5834



13.7641, 0.2548, 0.4371



4.1073, 0.3096, 0.3471



14.0698, 0.2946, 0.5806



68.4751, 0.2964, 0.5872

Inverse Universe

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



4.8263, 0.3663, 0.1792



8.6217, 0.3677, 0.1799



4.0749, 0.5543, 0.2828



3.7479, 0.3160, 0.3115



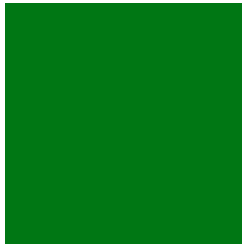
5.1243, 0.3665, 0.1793



24.8627, 0.3694, 0.1808

Previews

White Background



This preview shows how the Yxy color 13.2442, 0.2945, 0.5801 looks on a white background.

Color Contrast Check

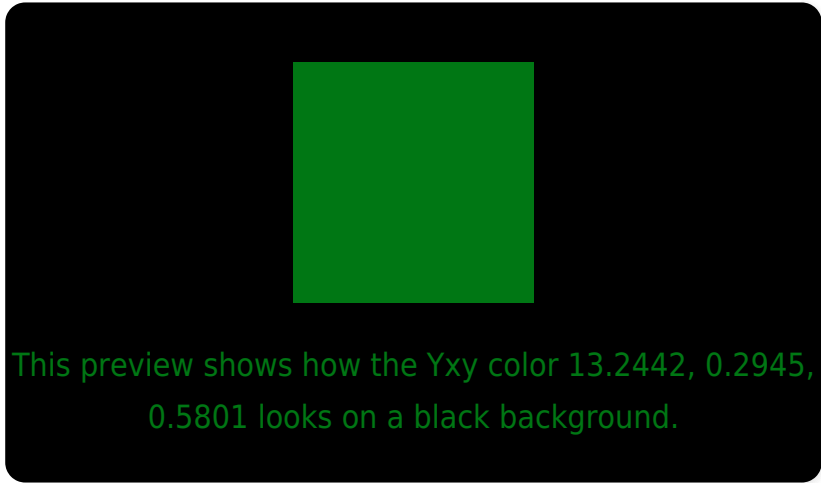
Large Text (above 18pt) WCAG AA ✓ Pass

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

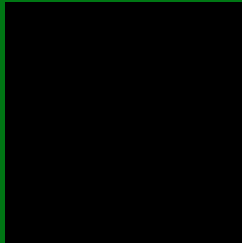
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.2442, 0.2945, 0.5801

Background



This preview shows how black text looks on a background with the Yxy color 13.2442, 0.2945, 0.5801.



This preview shows how white text looks on a background with the Yxy color 13.2442, 0.2945, 0.5801.

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

13.2442, 0.2945, 0.5801

Protanopia

13.1821, 0.4337, 0.4801

Deuteranopia

13.1657, 0.4480, 0.4439



Tritanopia

13.4031, 0.2383, 0.3074

Trichromacy



Original Color

13.2442, 0.2945, 0.5801



Protanomaly

12.1821, 0.3595, 0.5333



Deuteranomaly

11.9363, 0.3677, 0.5071



Tritanomaly

12.9818, 0.2595, 0.4101

Monochromacy



Original Color

13.2442, 0.2945, 0.5801



Achromatopsia

6.4803, 0.3127, 0.3290



Achromatomaly

7.9826, 0.2976, 0.4447

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.2442, 0.2945, 0.5801 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, 119, 20)` looks like.

```
.text, #text, p{  
    color:rgb(0, 119, 20)  
}
```

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, 119, 20) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 119, 20) }
```

Border

The CSS property to change the border of an element to Yxy 13.2442, 0.2945, 0.5801 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, 119, 20) }
```

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

```
.border{ border-color:rgb(0, 119, 20) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 119, 20)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 119, 20); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 119, 20);  
box-shadow:4px 4px 4px 4px rgb(0, 119, 20)  
}
```


Background

The CSS property to change the background color of an element to Yxy 13.2442, 0.2945, 0.5801 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 119, 20) }
```

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

```
.background{ background-color: rgb(0, 119,  
20) }
```

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