

Converting Colors

$Y_{xy}(13.1578, 0.2921, 0.5714)$

Have a look what the booklet for
Yxy(13.1578, 0.2921, 0.5714)
contains.

Yxy(13.2682, 0.2920, 0.5711)	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

$Y_{xy}(13.2682, 0.2920, 0.5711)$

Conversions

Conversions Part 1

Format	Color
Hex	00771A
RGB	0, 119, 26
RGB Percent	0%, 47%, 10%
CMY	0.9997, 0.5333, 0.8980
CMYK	1.00, 0.00, 0.78, 0.53
HSL	133°, 100%, 23%
HSV	133°, 100%, 47%
XYZ	6.7840, 13.2682, 3.1806
YIQ	72.8170, -41.0710, -54.1510

Conversions

Conversions Part 2

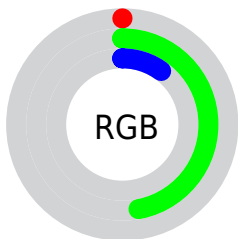
Format	Color
RYB	0, 98, 119
Decimal	30490
CIELab	43.16, -47.62, 40.41
CIELCh	43, 62.454, 139.677
Yxy	13.2682, 0.2920, 0.5711
Android (android.graphics.Color)	4278220570 (0xFF00771A)
YUV	72.8170, -23.0808, -63.8605
Hunter-Lab	36.4255, -30.5006, 20.3209

Details

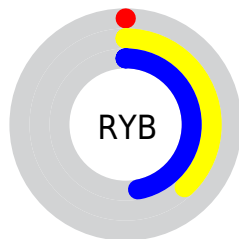
The Yxy color **13.2682, 0.2920, 0.5711** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **4.7153, 0.3823, 0.1880**, and the grayscale version is **6.6798, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.6187, 0.3046, 0.5028**, and **4.2562, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **13.2680, 0.2920, 0.5712**, and if you desaturate by 10%, it is **13.3948, 0.2906, 0.5517**.

Distribution



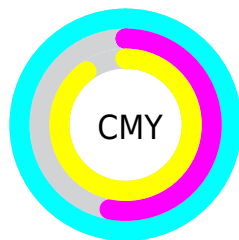
- Red (0%)
- Green (47%)
- Blue (10%)



- Red (0%)
- Yellow (38%)
- Blue (47%)



- Cyan (100%)
- Magenta (0%)
- Yellow (78%)
- Black (53%)





- Cyan (100%)
- Magenta (53%)
- Yellow (90%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.2682, 0.2920, 0.5711 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 13.2682, 0.2920, 0.5711 by changing the saturation by 10% instead.


 13.2682, 0.2920,
0.5711


 13.2682, 0.2920,
0.5711


212.6294, 0.3135,
0.4155


 7.6135, 0.2770,
0.6254


 31.7848, 0.3050,
0.5037


 3.8486, 0.2602,
0.7398

 45.4154, 0.3080,
0.4819


 1.5893, 0.1230,
0.8770

 62.4735, 0.3099,
0.4647

 0.3503, 0.0000,
1.0000

 83.3435, 0.3112,
0.4510


 0.0000, 0.0000,
0.0000


 108.4096, 0.3121,
0.4397


 138.0564, 0.3128,


0.4303

 172.6682, 0.3132,
0.4223

 13.2682, 0.2920,
0.5711


 13.2682, 0.2920,
0.5711


 13.2680, 0.2920,
0.5712

 13.3948, 0.2906,
0.5517

 13.5728, 0.2896,
0.5285

 13.8303, 0.2898,
0.5022

 14.1756, 0.2912,
0.4742

 14.6161, 0.2936,
0.4460

■ 15.1581, 0.2968,
0.4186

■ 15.8077, 0.3005,
0.3928

■ 16.5703, 0.3045,
0.3692

■ 17.4510, 0.3086,
0.3478

Harmonies

Analogous

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



13.2682, 0.4041, 0.5504



13.2682, 0.2920, 0.5711



13.2682, 0.1903, 0.4579

Triad

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



13.2682, 0.2920, 0.5711



13.2682, 0.1317, 0.1585



13.2682, 0.5342, 0.3016

Complementary

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



13.2682, 0.2920, 0.5711



4.7153, 0.3823, 0.1880

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.



13.2682, 0.4220, 0.2323



13.2682, 0.2920, 0.5711



13.2682, 0.1863, 0.1545

Square

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



13.2682, 0.2920, 0.5711



13.2682, 0.1132, 0.1999



13.2682, 0.2861, 0.1801



13.2682, 0.5592, 0.3784

Rectangle

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



13.2682, 0.2920, 0.5711



13.2682, 0.1443, 0.3477



13.2682, 0.2861, 0.1801



13.2682, 0.5045, 0.2774

Sweetspot

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



13.2687, 0.2920, 0.5711



28.2034, 0.3002, 0.3949



15.5332, 0.3829, 0.5341



6.5858, 0.2988, 0.4035



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.



13.2687, 0.2920, 0.5711



23.7411, 0.2930, 0.5749



13.8549, 0.2500, 0.4198



4.1101, 0.3090, 0.3460



14.0952, 0.2921, 0.5717



68.5799, 0.2943, 0.5794

Inverse Universe

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



4.7153, 0.3823, 0.1880



8.4194, 0.3841, 0.1890



4.0378, 0.5724, 0.2928



3.7449, 0.3167, 0.3126



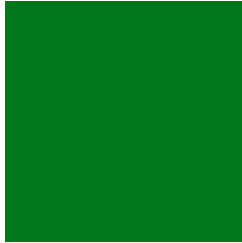
5.0062, 0.3825, 0.1881



24.2650, 0.3865, 0.1903

Previews

White Background



This preview shows how the Yxy color 13.2682, 0.2920, 0.5711 looks on a white background.

Color Contrast Check

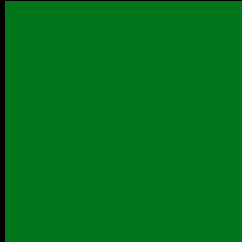
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.2682, 0.2920, 0.5711 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 13.2682, 0.2920, 0.5711

Background



This preview shows how black text looks on a background with the Yxy color 13.2682, 0.2920, 0.5711.



This preview shows how white text looks on a background with the Yxy color 13.2682, 0.2920, 0.5711.

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

13.2682, 0.2920, 0.5711

Protanopia

13.1381, 0.4281, 0.4752

Deuteranopia

13.1888, 0.4442, 0.4390



Tritanopia

13.3779, 0.2376, 0.3074

Trichromacy



Original Color

13.2682, 0.2920, 0.5711



Protanomaly

12.2035, 0.3563, 0.5260



Deuteranomaly

11.9568, 0.3646, 0.5007



Tritanomaly

12.9978, 0.2571, 0.4044

Monochromacy



Original Color

13.2682, 0.2920, 0.5711



Achromatopsia

6.6626, 0.3127, 0.3290



Achromatomaly

8.1787, 0.2939, 0.4372

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.2682, 0.2920, 0.5711 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, 26)` looks like.

```
.text, #text, p{  
    color:rgb(0, 119, 26)  
}
```

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, 26) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 119, 26) }
```

Border

The CSS property to change the border of an element to Yxy 13.2682, 0.2920, 0.5711 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, 26) }
```

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

```
.border{ border-color:rgb(0, 119, 26) }
```

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, 26)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 119, 26); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 119, 26);  
box-shadow:4px 4px 4px 4px rgb(0, 119, 26)  
}
```


Background

The CSS property to change the background color of an element to Yxy 13.2682, 0.2920, 0.5711 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, 26) }
```

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

```
.background{ background-color: rgb(0, 119,  
26) }
```

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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