

Converting Colors

$Y_{xy}(10.1897, 0.2882, 0.5576)$

Have a look what the booklet for
Yxy(10.1897, 0.2882, 0.5576)
contains.

Yxy(10.1870, 0.2885, 0.5586)	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

Yxy(10.1870, 0.2885, 0.5586)

Conversions

Conversions Part 1

Format	Color
Hex	00691C
RGB	0, 105, 28
RGB Percent	0%, 41%, 11%
CMY	1.0000, 0.5882, 0.8901
CMYK	1.00, 0.00, 0.73, 0.59
HSL	136°, 100%, 21%
HSV	136°, 100%, 41%
XYZ	5.2613, 10.1870, 2.7884
YIQ	64.8270, -37.8630, -46.2070

Conversions

Conversions Part 2

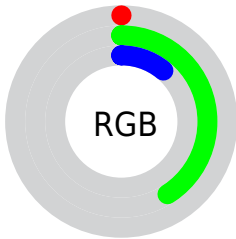
Format	Color
RYB	0, 83, 105
Decimal	26908
CIELab	38.18, -42.96, 34.46
CIELCh	38, 55.072, 141.270
Yxy	10.1870, 0.2885, 0.5586
Android (android.graphics.Color)	4278216988 (0xFF00691C)
YUV	64.8270, -18.1557, -56.8533
Hunter-Lab	31.9171, -26.4306, 17.1622

Details

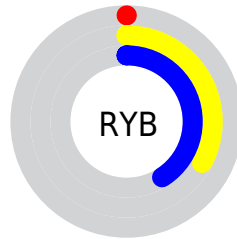
The Yxy color **10.1870, 0.2885, 0.5586** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **3.5390, 0.3974, 0.1963**, and the grayscale version is **5.2913, 0.3127, 0.3290**.

A 20% lighter version of the original color is **26.0135, 0.3022, 0.4903**, and **2.8283, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **10.1874, 0.2885, 0.5586**, and if you desaturate by 10%, it is **10.2969, 0.2872, 0.5380**.

Distribution



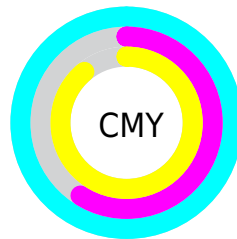
- Red (0%)
- Green (41%)
- Blue (11%)



- Red (0%)
- Yellow (33%)
- Blue (41%)



- Cyan (100%)
- Magenta (0%)
- Yellow (73%)
- Black (59%)





- Cyan (100%)
- Magenta (59%)
- Yellow (89%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.1870, 0.2885, 0.5586 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 10.1870, 0.2885, 0.5586 by changing the saturation by 10% instead.


 10.1870, 0.2885,
0.5586


 10.1870, 0.2885,
0.5586


192.0016, 0.3113,
0.4061


 5.5231, 0.2724,
0.6172

 26.1466, 0.3020,
0.4899


 2.5573, 0.2525,
0.7475


 38.2112, 0.3052,
0.4686

 0.9053, 0.0000,
1.0000

 53.5114, 0.3072,
0.4521


 0.0000, 0.0000,
0.0000


 72.4317, 0.3086,
0.4390


 95.3565, 0.3096,
0.4285


 122.6701, 0.3104,

0.4197


 154.7570, 0.3109,
0.4123

 10.1870, 0.2885,
0.5586


 10.1870, 0.2885,
0.5586


 10.1874, 0.2885,
0.5586

 10.2969, 0.2872,
0.5380

 10.4404, 0.2862,
0.5148

 10.6427, 0.2866,
0.4894

 10.9096, 0.2882,
0.4630

 11.2463, 0.2910,
0.4368

■ 11.6575, 0.2946,
0.4115

■ 12.1474, 0.2988,
0.3879

■ 12.7199, 0.3033,
0.3661

■ 13.3785, 0.3080,
0.3465

Harmonies

Analogous

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



10.1870, 0.3979, 0.5475



10.1870, 0.2885, 0.5586



10.1870, 0.1905, 0.4443

Triad

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



10.1870, 0.2885, 0.5586



10.1870, 0.1381, 0.1621



10.1870, 0.5301, 0.3073

Complementary

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



10.1870, 0.2885, 0.5586



3.5390, 0.3974, 0.1963

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.



10.1870, 0.4253, 0.2387



10.1870, 0.2885, 0.5586



10.1870, 0.1940, 0.1596

Square

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



10.1870, 0.2885, 0.5586



10.1870, 0.1183, 0.2009



10.1870, 0.2937, 0.1862



10.1870, 0.5508, 0.3835

Rectangle

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



10.1870, 0.2885, 0.5586



10.1870, 0.1468, 0.3399



10.1870, 0.2937, 0.1862



10.1870, 0.5029, 0.2834

Sweetspot

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



10.1874, 0.2885, 0.5586



21.6692, 0.2984, 0.3898



11.6814, 0.3752, 0.5403



5.0109, 0.2971, 0.3969



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.



10.1874, 0.2885, 0.5586



18.2229, 0.2898, 0.5633



10.6901, 0.2449, 0.4017



3.4568, 0.3085, 0.3446



12.8931, 0.2891, 0.5607



65.5692, 0.2916, 0.5699

Inverse Universe

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



3.5390, 0.3974, 0.1963



6.3165, 0.4000, 0.1977



3.0714, 0.5858, 0.3001



3.1508, 0.3172, 0.3139



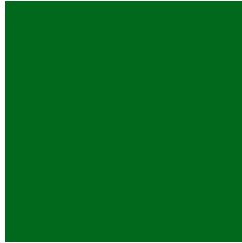
4.4747, 0.3986, 0.1969



22.6509, 0.4040, 0.1999

Previews

White Background



This preview shows how the Yxy color 10.1870, 0.2885, 0.5586 looks on a white background.

Color Contrast Check

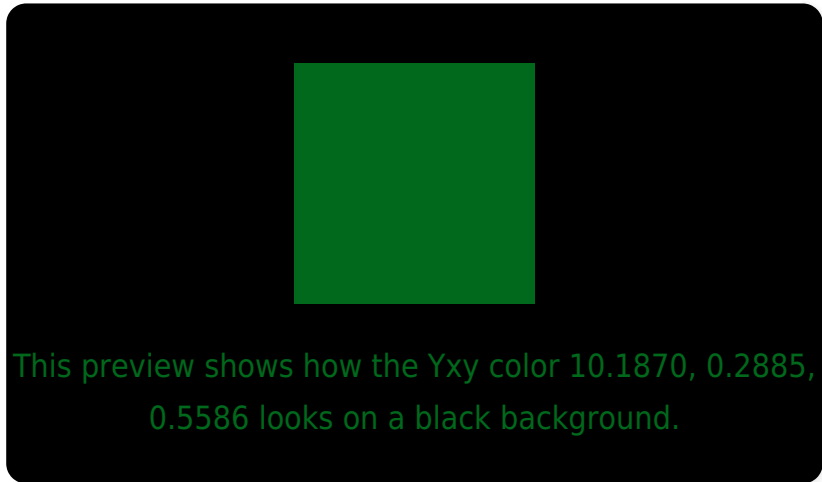
Large Text (above 18pt) WCAG AA ✓ Pass

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

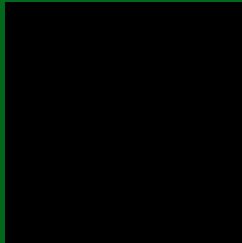
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.1870, 0.2885, 0.5586

Background



This preview shows how black text looks on a background with the Yxy color 10.1870, 0.2885, 0.5586.



This preview shows how white text looks on a background with the Yxy color 10.1870, 0.2885, 0.5586.

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

10.1870, 0.2885, 0.5586

Protanopia

10.1450, 0.4240, 0.4681

Deuteranopia

10.0691, 0.4382, 0.4305



Tritanopia

10.2896, 0.2381, 0.3075

Trichromacy



Original Color

10.1870, 0.2885, 0.5586

Protanomaly

9.3446, 0.3523, 0.5159

Deuteranomaly

9.1037, 0.3593, 0.4882

Tritanomaly

10.0904, 0.2553, 0.3975

Monochromacy



Original Color

10.1870, 0.2885, 0.5586

Achromatopsia

5.2861, 0.3127, 0.3290

Achromatomaly

6.4567, 0.2911, 0.4270

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.1870, 0.2885, 0.5586 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, 105, 28)` looks like.

```
.text, #text, p{  
    color:rgb(0, 105, 28)  
}
```

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, 105, 28) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 105, 28) }
```

Border

The CSS property to change the border of an element to Yxy 10.1870, 0.2885, 0.5586 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, 105, 28) }
```

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

```
.border{ border-color:rgb(0, 105, 28) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 105, 28)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 105, 28); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 105, 28);  
box-shadow:4px 4px 4px 4px rgb(0, 105, 28)  
}
```


Background

The CSS property to change the background color of an element to Yxy 10.1870, 0.2885, 0.5586 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 105, 28) }
```

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

```
.background{ background-color: rgb(0, 105,  
28) }
```

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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