

Converting Colors

$Y_{xy}(12.3848, 0.2868, 0.5525)$

Have a look what the booklet for
Yxy(12.3848, 0.2868, 0.5525)
contains.

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Color

Yxy(12.3770, 0.2871, 0.5535)

Conversions

Conversions Part 1

Format	Color
Hex	007322
RGB	0, 115, 34
RGB Percent	0%, 45%, 13%
CMY	0.9998, 0.5490, 0.8666
CMYK	1.00, 0.00, 0.70, 0.55
HSL	138°, 100%, 23%
HSV	138°, 100%, 45%
XYZ	6.4199, 12.3770, 3.5644
YIQ	71.3810, -42.5390, -49.5710

Conversions

Conversions Part 2

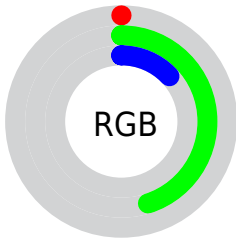
Format	Color
RYB	0, 89, 115
Decimal	29474
CIELab	41.81, -45.55, 35.69
CIELCh	42, 57.869, 141.919
Yxy	12.3770, 0.2871, 0.5535
Android (android.graphics.Color)	4278219554 (0xFF007322)
YUV	71.3810, -18.4288, -62.6011
Hunter-Lab	35.1810, -28.9934, 18.6196

Details

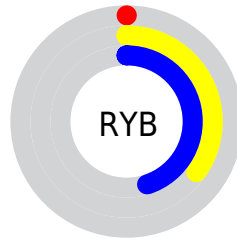
The Yxy color **12.3770, 0.2871, 0.5535** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **4.2405, 0.4083, 0.2023**, and the grayscale version is **6.4091, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.1257, 0.2997, 0.4889**, and **3.7806, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **12.3770, 0.2871, 0.5536**, and if you desaturate by 10%, it is **12.5046, 0.2854, 0.5330**.

Distribution



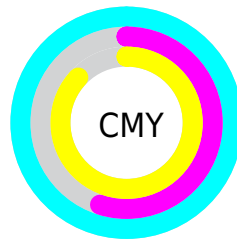
- Red (0%)
- Green (45%)
- Blue (13%)



- Red (0%)
- Yellow (35%)
- Blue (45%)



- Cyan (100%)
- Magenta (0%)
- Yellow (70%)
- Black (55%)




- Cyan (100%)
- Magenta (55%)
- Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.3770, 0.2871, 0.5535 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 12.3770, 0.2871, 0.5535 by changing the saturation by 10% instead.


 12.3770, 0.2871,
0.5535

 12.3770, 0.2871,
0.5535


206.8854, 0.3101,
0.4076


 7.0010, 0.2726,
0.6069


 30.1799, 0.3001,
0.4893


 3.4627, 0.2550,
0.7173

 43.3756, 0.3033,
0.4688


 1.3778, 0.0866,
0.9134

 59.9466, 0.3055,
0.4529

 0.2003, 0.0000,
1.0000


 80.2773, 0.3070,
0.4402


 0.0000, 0.0000,
0.0000

 104.7521, 0.3081,
0.4298


 133.7555, 0.3090,

0.4211

 167.6718, 0.3096,
0.4139


 12.3770, 0.2871,
0.5535


 12.3770, 0.2871,
0.5535

 12.3770, 0.2871,
0.5536

 12.5046, 0.2854,
0.5330

 12.6765, 0.2842,
0.5100

 12.9198, 0.2846,
0.4850

 13.2418, 0.2863,
0.4592

 13.6491, 0.2892,
0.4336

■ 14.1472, 0.2930,
0.4090

■ 14.7415, 0.2975,
0.3861

■ 15.4368, 0.3025,
0.3650

■ 16.2376, 0.3076,
0.3459

Harmonies

Analogous

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



12.3770, 0.3955, 0.5461



12.3770, 0.2871, 0.5535



12.3770, 0.1906, 0.4391

Triad

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



12.3770, 0.2871, 0.5535



12.3770, 0.1407, 0.1636



12.3770, 0.5284, 0.3096

Complementary

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



12.3770, 0.2871, 0.5535



4.2405, 0.4083, 0.2023

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.



12.3770, 0.4265, 0.2412



12.3770, 0.2871, 0.5535



12.3770, 0.1972, 0.1617

Square

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



12.3770, 0.2871, 0.5535



12.3770, 0.1204, 0.2014



12.3770, 0.2967, 0.1887



12.3770, 0.5474, 0.3854

Rectangle

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



12.3770, 0.2871, 0.5535



12.3770, 0.1478, 0.3369



12.3770, 0.2967, 0.1887



12.3770, 0.5021, 0.2858

Sweetspot

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



12.3775, 0.2871, 0.5535



26.3025, 0.2972, 0.3879



14.0749, 0.3720, 0.5427



6.1864, 0.2956, 0.3954



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.



12.3775, 0.2871, 0.5535



22.1418, 0.2883, 0.5580



13.0017, 0.2436, 0.3968



4.1144, 0.3080, 0.3443



14.1459, 0.2874, 0.5547



68.8012, 0.2899, 0.5637

Inverse Universe

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



4.2405, 0.4083, 0.2023



7.5674, 0.4111, 0.2039



3.7158, 0.5932, 0.3042



3.7404, 0.3177, 0.3142



4.8425, 0.4091, 0.2027



23.4428, 0.4150, 0.2060

Previews

White Background



This preview shows how the Yxy color 12.3770, 0.2871, 0.5535 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 12.3770, 0.2871, 0.5535

Background



This preview shows how black text looks on a background with the Yxy color 12.3770, 0.2871, 0.5535.



This preview shows how white text looks on a background with the Yxy color 12.3770, 0.2871, 0.5535.

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

12.3770, 0.2871, 0.5535

Protanopia

12.3324, 0.4202, 0.4657

Deuteranopia

12.3101, 0.4342, 0.4294



Tritanopia

12.3807, 0.2374, 0.3067

Trichromacy



Original Color

12.3770, 0.2871, 0.5535



Protanomaly

11.5042, 0.3488, 0.5128



Deuteranomaly

11.2689, 0.3562, 0.4860



Tritanomaly

12.0998, 0.2544, 0.3952

Monochromacy



Original Color

12.3770, 0.2871, 0.5535



Achromatopsia

6.3010, 0.3127, 0.3290



Achromatomaly

7.6798, 0.2896, 0.4233

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.3770, 0.2871, 0.5535 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, 115, 34)` looks like.

```
.text, #text, p{  
    color:rgb(0, 115, 34)  
}
```

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, 115, 34) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 115, 34) }
```

Border

The CSS property to change the border of an element to Yxy 12.3770, 0.2871, 0.5535 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, 115, 34) }
```

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

```
.border{ border-color:rgb(0, 115, 34) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 115, 34)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 115, 34); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 115, 34);  
box-shadow:4px 4px 4px 4px rgb(0, 115, 34)  
}
```


Background

The CSS property to change the background color of an element to Yxy 12.3770, 0.2871, 0.5535 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 115, 34) }
```

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

```
.background{ background-color: rgb(0, 115,  
34) }
```

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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