

Converting Colors

$Y_{xy}(11.6394, 0.2991, 0.5968)$

Have a look what the booklet for
Yxy(11.6394, 0.2991, 0.5968)
contains.

Yxy(11.5949, 0.2992, 0.5970)	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(11.5949, 0.2992, 0.5970)

Conversions

Conversions Part 1

Format	Color
Hex	007003
RGB	0, 112, 3
RGB Percent	0%, 44%, 1%
CMY	0.9997, 0.5608, 0.9885
CMYK	1.00, 0.00, 0.97, 0.56
HSL	122°, 100%, 22%
HSV	122°, 100%, 44%
XYZ	5.8110, 11.5949, 2.0160
YIQ	66.0860, -31.7630, -57.6430

Conversions

Conversions Part 2

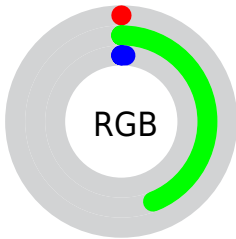
Format	Color
RYB	0, 109, 112
Decimal	28675
CIELab	40.56, -46.84, 44.62
CIELCh	41, 64.688, 136.394
Yxy	11.5949, 0.2992, 0.5970
Android (android.graphics.Color)	4278218755 (0xFF007003)
YUV	66.0860, -31.1014, -57.9574
Hunter-Lab	34.0513, -29.1277, 20.3256

Details

The Yxy color **11.5949, 0.2992, 0.5970** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **4.5537, 0.3271, 0.1576**, and the grayscale version is **5.5181, 0.3127, 0.3290**.

A 20% lighter version of the original color is **28.7837, 0.3135, 0.5222**, and **3.4452, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **11.5947, 0.2992, 0.5971**, and if you desaturate by 10%, it is **11.6928, 0.2999, 0.5830**.

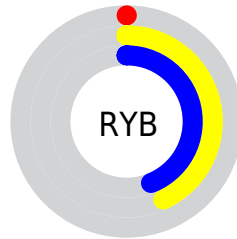
Distribution



Red (0%)

Green (44%)

Blue (1%)



Red (0%)

Yellow (43%)

Blue (44%)

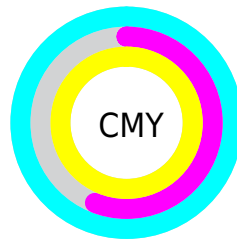


Cyan (100%)

Magenta (0%)

Yellow (97%)

Black (56%)



Cyan (100%)


Magenta (56%)


Yellow (99%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 11.5949, 0.2992, 0.5970 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 11.5949, 0.2992, 0.5970 by changing the saturation by 10% instead.


 11.5949, 0.2992,
0.5970


 11.5949, 0.2992,
0.5970


201.7047, 0.3193,
0.4233


 6.4685, 0.2826,
0.6598


 28.7551, 0.3133,
0.5218


 3.1320, 0.2481,
0.7519

 41.5577, 0.3161,
0.4973

 1.2010, 0.0000,
1.0000

 57.6878, 0.3176,
0.4781

 0.0625, 0.0000,
1.0000


 77.5298, 0.3185,
0.4627


 0.0000, 0.0000,
0.0000


 101.4681, 0.3190,
0.4502

 129.8870, 0.3193,

0.4397


 163.1711, 0.3193,
0.4309


 11.5949, 0.2992,
0.5970

 11.5949, 0.2992,
0.5970


 11.5947, 0.2992,
0.5971

 11.6928, 0.2999,
0.5830

 11.8337, 0.3004,
0.5635

 12.0485, 0.3014,
0.5374

 12.3456, 0.3028,
0.5067

 12.7320, 0.3044,
0.4737

■ 13.2142, 0.3061,
0.4404

■ 13.7979, 0.3079,
0.4085

■ 14.4885, 0.3096,
0.3790

■ 15.2910, 0.3112,
0.3524

Harmonies

Analogous

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



11.5949, 0.4181, 0.5555



11.5949, 0.2992, 0.5970



11.5949, 0.1902, 0.4895

Triad

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



11.5949, 0.2992, 0.5970



11.5949, 0.1182, 0.1509



11.5949, 0.5422, 0.2889

Complementary

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



11.5949, 0.2992, 0.5970



4.5537, 0.3271, 0.1576

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.



11.5949, 0.4136, 0.2186



11.5949, 0.2992, 0.5970



11.5949, 0.1698, 0.1439

Square

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



11.5949, 0.2992, 0.5970



11.5949, 0.1026, 0.1980



11.5949, 0.2692, 0.1672



11.5949, 0.5772, 0.3668

Rectangle

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



11.5949, 0.2992, 0.5970



11.5949, 0.1391, 0.3666



11.5949, 0.2692, 0.1672



11.5949, 0.5070, 0.2643

Sweetspot

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



11.5954, 0.2992, 0.5970



24.1443, 0.3078, 0.4112



14.9123, 0.4165, 0.5074



5.7165, 0.3072, 0.4214



58.7016, 0.3127, 0.3290



6.8385, 0.3127, 0.3290

Same Dimension

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



11.5954, 0.2992, 0.5970



20.3661, 0.2994, 0.5978



11.8935, 0.2688, 0.4876



3.7645, 0.3114, 0.3501



13.4036, 0.2993, 0.5973



66.7497, 0.2997, 0.5989

Inverse Universe

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



4.5537, 0.3271, 0.1576



7.9937, 0.3273, 0.1577



3.7145, 0.4932, 0.2492



3.4521, 0.3140, 0.3088



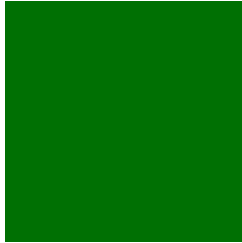
5.2617, 0.3272, 0.1576



26.1905, 0.3275, 0.1578

Previews

White Background



This preview shows how the Yxy color 11.5949, 0.2992, 0.5970 looks on a white background.

Color Contrast Check

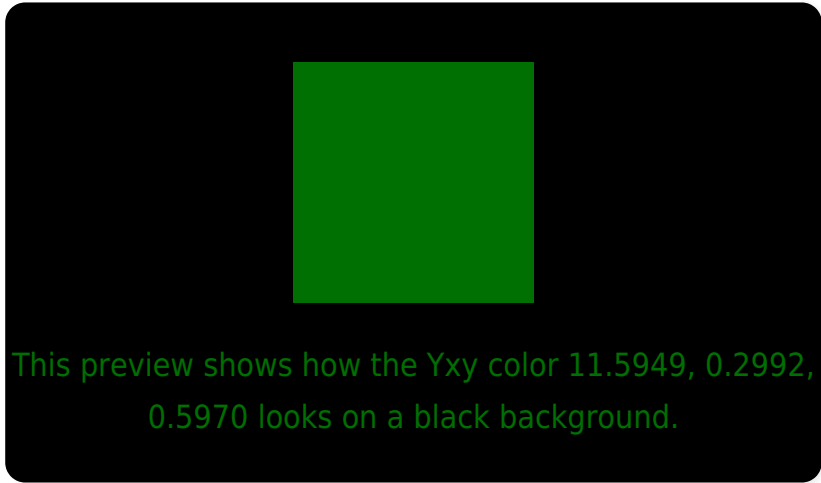
Large Text (above 18pt) WCAG AA ✓ Pass

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

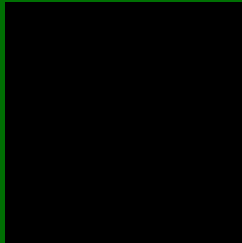
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 11.5949, 0.2992, 0.5970

Background



This preview shows how black text looks on a background with the Yxy color 11.5949, 0.2992, 0.5970.



This preview shows how white text looks on a background with the Yxy color 11.5949, 0.2992, 0.5970.

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

11.5949, 0.2992, 0.5970

Protanopia

11.5539, 0.4392, 0.4895

Deuteranopia

11.5412, 0.4539, 0.4496



Tritanopia

11.6972, 0.2383, 0.3062

Trichromacy



Original Color

11.5949, 0.2992, 0.5970



Protanomaly

10.7701, 0.3659, 0.5465



Deuteranomaly

10.4976, 0.3739, 0.5209



Tritanomaly

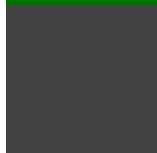
11.2724, 0.2652, 0.4273

Monochromacy



Original Color

11.5949, 0.2992, 0.5970



Achromatopsia

5.4480, 0.3127, 0.3290



Achromatomaly

6.8532, 0.3049, 0.4659

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.5949, 0.2992, 0.5970 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, 112, 3)` looks like.

```
.text, #text, p{  
    color:rgb(0, 112, 3)  
}
```

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, 112, 3) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 112, 3) }
```

Border

The CSS property to change the border of an element to Yxy 11.5949, 0.2992, 0.5970 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, 112, 3) }
```

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

```
.border{ border-color:rgb(0, 112, 3) }
```

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

Here you see how a box with a 4 pixel rgb(0, 112, 3) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 112, 3); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 112, 3); box-shadow:4px  
4px 4px 4px rgb(0, 112, 3) }
```


Background

The CSS property to change the background color of an element to Yxy 11.5949, 0.2992, 0.5970 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 112, 3) }
```

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

```
.background{ background-color: rgb(0, 112,  
3) }
```

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