

Converting Colors

$Y_{xy}(12.9744, 0.2980, 0.5928)$

Have a look what the booklet for
Yxy(12.9744, 0.2980, 0.5928)
contains.

Yxy(12.9744, 0.2980, 0.5928)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(12.9744, 0.2980, 0.5928)

Conversions

Conversions Part 1

Format	Color
Hex	007608
RGB	0, 118, 8
RGB Percent	0%, 46%, 3%
CMY	1.0000, 0.5372, 0.9686
CMYK	1.00, 0.00, 0.93, 0.54
HSL	124°, 100%, 23%
HSV	124°, 100%, 46%
XYZ	6.5222, 12.9744, 2.3900
YIQ	70.1780, -35.0180, -59.2260

Conversions

Conversions Part 2

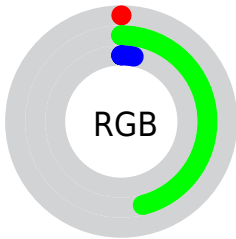
Format	Color
RYB	0, 111, 118
Decimal	30216
CIELab	42.72, -48.42, 45.25
CIELCh	43, 66.274, 136.939
Yxy	12.9744, 0.2980, 0.5928
Android (android.graphics.Color)	4278220296 (0xFF007608)
YUV	70.1780, -30.6538, -61.5461
Hunter-Lab	36.0200, -30.7136, 21.2799

Details

The Yxy color **12.9744, 0.2980, 0.5928** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **4.9776, 0.3380, 0.1635**, and the grayscale version is **6.2126, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.1272, 0.3120, 0.5204**, and **4.1342, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **12.9749, 0.2980, 0.5928**, and if you desaturate by 10%, it is **13.0812, 0.2983, 0.5785**.

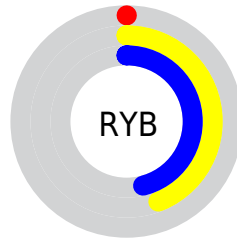
Distribution



Red (0%)

Green (46%)

Blue (3%)



Red (0%)

Yellow (44%)

Blue (46%)

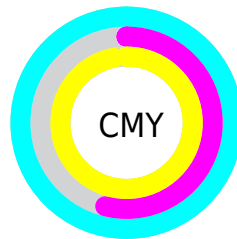


Cyan (100%)

Magenta (0%)

Yellow (93%)

Black (54%)



Cyan (100%)

Magenta (54%)

Yellow (97%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.9744, 0.2980, 0.5928 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 12.9744, 0.2980, 0.5928 by changing the saturation by 10% instead.


 12.9744, 0.2980,
0.5928


 12.9744, 0.2980,
0.5928


210.7535, 0.3183,
0.4239


 7.4109, 0.2815,
0.6500


 31.2578, 0.3117,
0.5204


 3.7204, 0.2538,
0.7462

 44.7465, 0.3145,
0.4967

 1.5184, 0.0936,
0.9064

 61.6457, 0.3162,
0.4779

 0.3016, 0.0000,
1.0000


 82.3398, 0.3172,
0.4628


 0.0000, 0.0000,
0.0000

 107.2133, 0.3177,
0.4505

 136.6505, 0.3181,

0.4401

 171.0358, 0.3183,
0.4314


 12.9744, 0.2980,
0.5928

 12.9744, 0.2980,
0.5928

 12.9749, 0.2980,
0.5928

 13.0812, 0.2983,
0.5785

 13.2405, 0.2984,
0.5579

 13.4819, 0.2990,
0.5315

 13.8145, 0.3003,
0.5010

 14.2461, 0.3020,
0.4687

■ 14.7839, 0.3040,
0.4365

■ 15.4342, 0.3062,
0.4057

■ 16.2030, 0.3085,
0.3773

■ 17.0956, 0.3106,
0.3517

Harmonies

Analogous

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



12.9744, 0.4152, 0.5542



12.9744, 0.2980, 0.5928



12.9744, 0.1901, 0.4839

Triad

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



12.9744, 0.2980, 0.5928



12.9744, 0.1204, 0.1521



12.9744, 0.5409, 0.2911

Complementary

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



12.9744, 0.2980, 0.5928



4.9776, 0.3380, 0.1635

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.



12.9744, 0.4152, 0.2209



12.9744, 0.2980, 0.5928



12.9744, 0.1726, 0.1456

Square

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



12.9744, 0.2980, 0.5928



12.9744, 0.1044, 0.1983



12.9744, 0.2721, 0.1693



12.9744, 0.5742, 0.3688

Rectangle

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



12.9744, 0.2980, 0.5928



12.9744, 0.1399, 0.3632



12.9744, 0.2721, 0.1693



12.9744, 0.5067, 0.2666

Sweetspot

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



12.9749, 0.2980, 0.5928



27.0449, 0.3061, 0.4079



16.2811, 0.4082, 0.5141



6.1275, 0.3053, 0.4179



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.



12.9749, 0.2980, 0.5928



22.8052, 0.2985, 0.5947



13.3611, 0.2644, 0.4717



4.1019, 0.3109, 0.3494



14.0357, 0.2981, 0.5931



68.3494, 0.2991, 0.5968

Inverse Universe

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



4.9776, 0.3380, 0.1635



8.7443, 0.3384, 0.1638



4.0919, 0.5149, 0.2610



3.7539, 0.3146, 0.3095



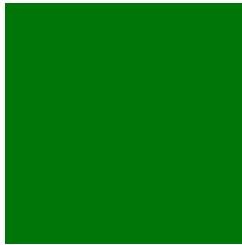
5.3841, 0.3380, 0.1636



26.1866, 0.3390, 0.1641

Previews

White Background



This preview shows how the Yxy color 12.9744, 0.2980, 0.5928 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

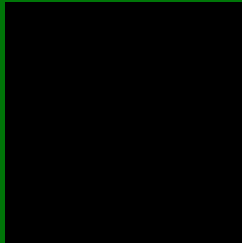
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.9744, 0.2980, 0.5928

Background



This preview shows how black text looks on a background with the Yxy color 12.9744, 0.2980, 0.5928.



This preview shows how white text looks on a background with the Yxy color 12.9744, 0.2980, 0.5928.

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

12.9744, 0.2980, 0.5928

Protanopia

12.8848, 0.4399, 0.4889

Deuteranopia

12.9569, 0.4539, 0.4478



Tritanopia

13.1367, 0.2379, 0.3072

Trichromacy



Original Color

12.9744, 0.2980, 0.5928

Protanomaly

11.9384, 0.3658, 0.5444

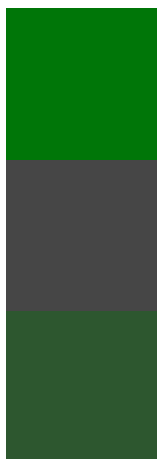
Deuteranomaly

11.7005, 0.3740, 0.5167

Tritanomaly

12.6661, 0.2629, 0.4226

Monochromacy



Original Color

12.9744, 0.2980, 0.5928

Achromatopsia

6.1246, 0.3127, 0.3290

Achromatomaly

7.5795, 0.3038, 0.4602

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.9744, 0.2980, 0.5928 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, 118, 8)` looks like.

```
.text, #text, p{  
    color:rgb(0, 118, 8)  
}
```

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, 118, 8) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 118, 8) }
```

Border

The CSS property to change the border of an element to Yxy 12.9744, 0.2980, 0.5928 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, 118, 8) }
```

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

```
.border{ border-color:rgb(0, 118, 8) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 118, 8)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 118, 8); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 118, 8); box-shadow:4px  
4px 4px 4px rgb(0, 118, 8) }
```


Background

The CSS property to change the background color of an element to Yxy 12.9744, 0.2980, 0.5928 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 118, 8) }
```

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

```
.background{ background-color: rgb(0, 118,  
8) }
```

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