

Converting Colors

$Y_{xy}(12.7312, 0.2990, 0.5964)$

Have a look what the booklet for
Yxy(12.7312, 0.2990, 0.5964)
contains.

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Color

Yxy(12.7313, 0.2990, 0.5963)

Conversions

Conversions Part 1

Format	Color
Hex	007504
RGB	0, 117, 4
RGB Percent	0%, 46%, 2%
CMY	0.9997, 0.5412, 0.9843
CMYK	1.00, 0.00, 0.97, 0.54
HSL	122°, 100%, 23%
HSV	122°, 100%, 46%
XYZ	6.3838, 12.7313, 2.2354
YIQ	69.1350, -33.4590, -59.9470

Conversions

Conversions Part 2

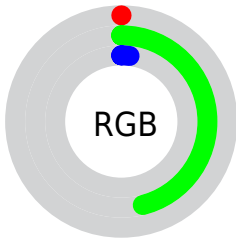
Format	Color
RYB	0, 113, 117
Decimal	29956
CIELab	42.36, -48.29, 45.85
CIELCh	42, 66.588, 136.485
Yxy	12.7313, 0.2990, 0.5963
Android (android.graphics.Color)	4278220036 (0xFF007504)
YUV	69.1350, -32.1116, -60.6314
Hunter-Lab	35.6809, -30.5056, 21.2622

Details

The Yxy color **12.7313, 0.2990, 0.5963** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **4.9775, 0.3291, 0.1587**, and the grayscale version is **6.0360, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.7280, 0.3131, 0.5225**, and **4.0143, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **12.7312, 0.2990, 0.5964**, and if you desaturate by 10%, it is **12.8345, 0.2996, 0.5827**.

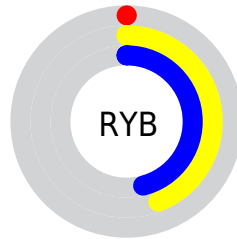
Distribution



Red (0%)

Green (46%)

Blue (2%)



Red (0%)

Yellow (44%)

Blue (46%)

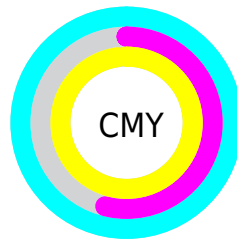


Cyan (100%)

Magenta (0%)

Yellow (97%)

Black (54%)



Cyan (100%)


Magenta (54%)


Yellow (98%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.7313, 0.2990, 0.5963 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 12.7313, 0.2990, 0.5963 by changing the saturation by 10% instead.


 12.7313, 0.2990,
0.5963


 12.7313, 0.2990,
0.5963


209.1884, 0.3192,
0.4250


 7.2438, 0.2823,
0.6549


 30.8202, 0.3129,
0.5230


 3.6150, 0.2522,
0.7478

 44.1904, 0.3157,
0.4988


 1.4606, 0.0767,
0.9233

 60.9569, 0.3173,
0.4798

 0.2608, 0.0000,
1.0000

 81.5041, 0.3182,
0.4645


 0.0000, 0.0000,
0.0000


 106.2165, 0.3187,
0.4519


 135.4784, 0.3190,

0.4414

 169.6742, 0.3191,
0.4326


 12.7313, 0.2990,
0.5963

 12.7313, 0.2990,
0.5963


 12.7312, 0.2990,
0.5964

 12.8345, 0.2996,
0.5827

 12.9877, 0.3000,
0.5632

 13.2224, 0.3009,
0.5371

 13.5476, 0.3023,
0.5064

 13.9713, 0.3039,
0.4734

■ 14.5007, 0.3057,
0.4402

■ 15.1420, 0.3076,
0.4083

■ 15.9014, 0.3094,
0.3789

■ 16.7842, 0.3111,
0.3524

Harmonies

Analogous

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



12.7313, 0.4172, 0.5548



12.7313, 0.2990, 0.5963



12.7313, 0.1902, 0.4885

Triad

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



12.7313, 0.2990, 0.5963



12.7313, 0.1186, 0.1511



12.7313, 0.5420, 0.2893

Complementary

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



12.7313, 0.2990, 0.5963



4.9775, 0.3291, 0.1587

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.



12.7313, 0.4138, 0.2190



12.7313, 0.2990, 0.5963



12.7313, 0.1703, 0.1442

Square

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



12.7313, 0.2990, 0.5963



12.7313, 0.1029, 0.1981



12.7313, 0.2697, 0.1675



12.7313, 0.5767, 0.3671

Rectangle

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



12.7313, 0.2990, 0.5963



12.7313, 0.1392, 0.3660



12.7313, 0.2697, 0.1675



12.7313, 0.5070, 0.2647

Sweetspot

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



12.7318, 0.2990, 0.5963



27.0108, 0.3074, 0.4109



16.2403, 0.4137, 0.5096



6.1193, 0.3068, 0.4212



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.



12.7318, 0.2990, 0.5963



22.7937, 0.2993, 0.5973



13.0757, 0.2675, 0.4828



4.1000, 0.3113, 0.3501



14.0265, 0.2990, 0.5966



68.3274, 0.2996, 0.5986

Inverse Universe

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



4.9775, 0.3291, 0.1587



8.9063, 0.3293, 0.1588



4.0559, 0.5010, 0.2534



3.7559, 0.3142, 0.3088



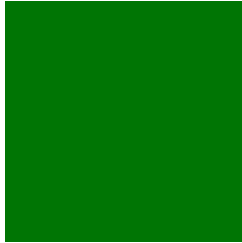
5.4819, 0.3292, 0.1587



26.6876, 0.3296, 0.1590

Previews

White Background



This preview shows how the Yxy color 12.7313, 0.2990, 0.5963 looks on a white background.

Color Contrast Check

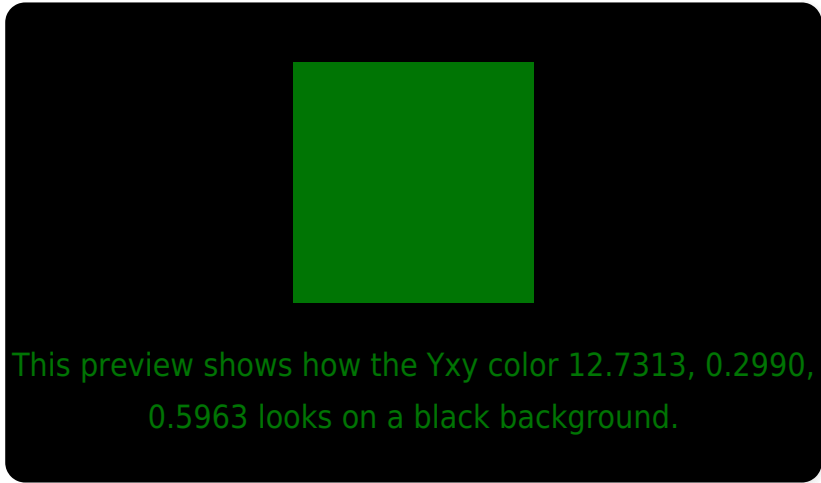
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.7313, 0.2990, 0.5963

Background



This preview shows how black text looks on a background with the Yxy color 12.7313, 0.2990, 0.5963.



This preview shows how white text looks on a background with the Yxy color 12.7313, 0.2990, 0.5963.

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

12.7313, 0.2990, 0.5963

Protanopia

12.6251, 0.4401, 0.4888

Deuteranopia

12.6946, 0.4548, 0.4482



Tritanopia

12.8983, 0.2382, 0.3071

Trichromacy



Original Color

12.7313, 0.2990, 0.5963

Protanomaly

11.6880, 0.3661, 0.5464

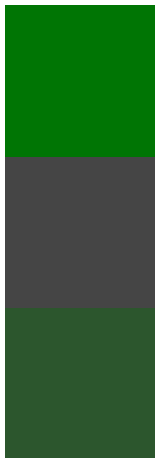
Deuteranomaly

11.4496, 0.3747, 0.5189

Tritanomaly

12.4155, 0.2643, 0.4263

Monochromacy



Original Color

12.7313, 0.2990, 0.5963

Achromatopsia

5.9511, 0.3127, 0.3290

Achromatomaly

7.3805, 0.3049, 0.4650

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.7313, 0.2990, 0.5963 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, 117, 4)` looks like.

```
.text, #text, p{  
    color:rgb(0, 117, 4)  
}
```

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, 117, 4) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 117, 4) }
```

Border

The CSS property to change the border of an element to Yxy 12.7313, 0.2990, 0.5963 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, 117, 4) }
```

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

```
.border{ border-color:rgb(0, 117, 4) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 117, 4)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 117, 4); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 117, 4); box-shadow:4px  
4px 4px 4px rgb(0, 117, 4) }
```


Background

The CSS property to change the background color of an element to Yxy 12.7313, 0.2990, 0.5963 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 117, 4) }
```

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

```
.background{ background-color: rgb(0, 117,  
4) }
```

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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