

Converting Colors

$Y_{xy}(12.5000, 0.2993, 0.5976)$

Have a look what the booklet for
Yxy(12.5000, 0.2993, 0.5976)
contains.

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Color

Yxy(12.4974, 0.2992, 0.5972)

Conversions

Conversions Part 1

Format	Color
Hex	007403
RGB	0, 116, 3
RGB Percent	0%, 45%, 1%
CMY	1.0000, 0.5451, 0.9883
CMYK	1.00, 0.00, 0.97, 0.55
HSL	122°, 100%, 23%
HSV	122°, 100%, 45%
XYZ	6.2613, 12.4974, 2.1680
YIQ	68.4340, -32.8630, -59.7350

Conversions

Conversions Part 2

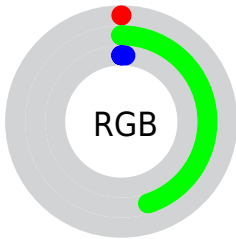
Format	Color
RYB	0, 113, 116
Decimal	29699
CIELab	42.00, -48.05, 45.79
CIELCh	42, 66.369, 136.381
Yxy	12.4974, 0.2992, 0.5972
Android (android.graphics.Color)	4278219779 (0xFF007403)
YUV	68.4340, -32.2590, -60.0166
Hunter-Lab	35.3517, -30.2507, 21.1101

Details

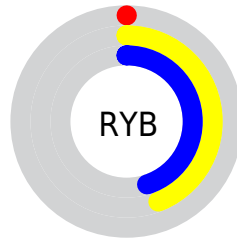
The Yxy color **12.4974, 0.2992, 0.5972** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **4.9058, 0.3272, 0.1576**, and the grayscale version is **5.9119, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.3015, 0.3131, 0.5236**, and **3.8964, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **12.4983, 0.2992, 0.5972**, and if you desaturate by 10%, it is **12.5996, 0.2998, 0.5836**.

Distribution



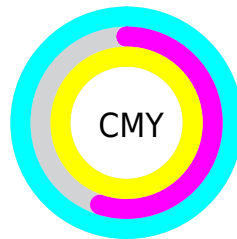
- Red (0%)
- Green (45%)
- Blue (1%)



- Red (0%)
- Yellow (44%)
- Blue (45%)



- Cyan (100%)
- Magenta (0%)
- Yellow (97%)
- Black (55%)



- Cyan (100%)
- Magenta (55%)
- Yellow (99%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.4974, 0.2992, 0.5972 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 12.4974, 0.2992, 0.5972 by changing the saturation by 10% instead.


 12.4974, 0.2992,
0.5972


 12.4974, 0.2992,
0.5972


207.6710, 0.3194,
0.4250


 7.0834, 0.2825,
0.6567


 30.3978, 0.3132,
0.5233


 3.5143, 0.2511,
0.7489

 43.6530, 0.3160,
0.4991


 1.4058, 0.0597,
0.9403

 60.2908, 0.3176,
0.4800

 0.2210, 0.0000,
1.0000

 80.6954, 0.3185,
0.4646

 0.0000, 0.0000,
0.0000

 105.2513, 0.3190,
0.4520

 134.3430, 0.3192,


0.4415

 168.3547, 0.3194,
0.4326


 12.4974, 0.2992,
0.5972


 12.4974, 0.2992,
0.5972


 12.4983, 0.2992,
0.5972

 12.5996, 0.2998,
0.5836

 12.7491, 0.3004,
0.5643

 12.9785, 0.3013,
0.5384

 13.2970, 0.3027,
0.5077

 13.7123, 0.3043,
0.4746

■ 14.2315, 0.3061,
0.4412

■ 14.8608, 0.3079,
0.4091

■ 15.6061, 0.3096,
0.3794

■ 16.4728, 0.3112,
0.3527

Harmonies

Analogous

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



12.4974, 0.4178, 0.5551



12.4974, 0.2992, 0.5972



12.4974, 0.1901, 0.4897

Triad

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



12.4974, 0.2992, 0.5972



12.4974, 0.1181, 0.1508



12.4974, 0.5423, 0.2888

Complementary

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



12.4974, 0.2992, 0.5972



4.9058, 0.3272, 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.



12.4974, 0.4136, 0.2185



12.4974, 0.2992, 0.5972



12.4974, 0.1697, 0.1438

Square

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



12.4974, 0.2992, 0.5972



12.4974, 0.1026, 0.1980



12.4974, 0.2691, 0.1671



12.4974, 0.5773, 0.3667

Rectangle

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



12.4974, 0.2992, 0.5972



12.4974, 0.1390, 0.3667



12.4974, 0.2691, 0.1671



12.4974, 0.5071, 0.2643

Sweetspot

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



12.4983, 0.2992, 0.5972



26.0296, 0.3077, 0.4115



16.0739, 0.4166, 0.5075



6.1175, 0.3071, 0.4220



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.



12.4983, 0.2992, 0.5972



21.9651, 0.2994, 0.5979



12.8173, 0.2690, 0.4884



4.0996, 0.3114, 0.3503



14.0244, 0.2993, 0.5973



68.3232, 0.2997, 0.5989

Inverse Universe

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



4.9058, 0.3272, 0.1576



8.6198, 0.3274, 0.1577



3.9995, 0.4942, 0.2496



3.7564, 0.3140, 0.3086



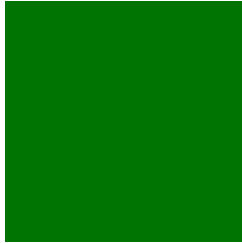
5.5046, 0.3272, 0.1576



26.8039, 0.3276, 0.1578

Previews

White Background



This preview shows how the Yxy color 12.4974, 0.2992, 0.5972 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



This preview shows how the Yxy color 12.4974, 0.2992, 0.5972 looks on a 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 12.4974, 0.2992, 0.5972

Background



This preview shows how black text looks on a background with the Yxy color 12.4974, 0.2992, 0.5972.



This preview shows how white text looks on a background with the Yxy color 12.4974, 0.2992, 0.5972.

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

12.4974, 0.2992, 0.5972

Protanopia

12.3684, 0.4403, 0.4886

Deuteranopia

12.4356, 0.4557, 0.4485



Tritanopia

12.6624, 0.2385, 0.3069

Trichromacy



Original Color

12.4974, 0.2992, 0.5972



Protanomaly

11.4449, 0.3657, 0.5467



Deuteranomaly

11.2487, 0.3764, 0.5188



Tritanomaly

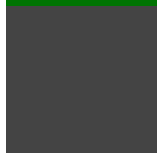
12.1820, 0.2648, 0.4270

Monochromacy



Original Color

12.4974, 0.2992, 0.5972



Achromatopsia

5.7805, 0.3127, 0.3290



Achromatomaly

7.1924, 0.3049, 0.4666

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.4974, 0.2992, 0.5972 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, 116, 3)` looks like.

```
.text, #text, p{  
    color:rgb(0, 116, 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, 116, 3) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 116, 3) }
```

Border

The CSS property to change the border of an element to Yxy 12.4974, 0.2992, 0.5972 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, 116, 3) }
```

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

```
.border{ border-color:rgb(0, 116, 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, 116, 3)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 116, 3); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 116, 3); box-shadow:4px  
4px 4px 4px rgb(0, 116, 3) }
```


Background

The CSS property to change the background color of an element to Yxy 12.4974, 0.2992, 0.5972 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 116, 3) }
```

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

```
.background{ background-color: rgb(0, 116,  
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](#).

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