

Converting Colors

$Y_{xy}(11.9824, 0.3118, 0.6349)$

Have a look what the booklet for
Yxy(11.9824, 0.3118, 0.6349)
contains.

Yxy(12.0669, 0.3016, 0.5987)	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(12.0669, 0.3016, 0.5987)

Conversions

Conversions Part 1

Format	Color
Hex	057200
RGB	5, 114, 0
RGB Percent	2%, 45%, 0%
CMY	0.9809, 0.5529, 0.9999
CMYK	0.96, 0.00, 1.00, 0.55
HSL	117°, 100%, 22%
HSV	117°, 100%, 45%
XYZ	6.0788, 12.0669, 2.0095
YIQ	68.4130, -28.3700, -58.5620

Conversions

Conversions Part 2

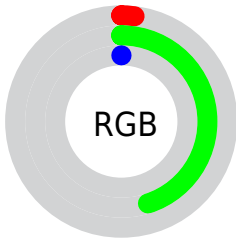
Format	Color
RYB	0, 114, 109
Decimal	356864
CIELab	41.32, -47.12, 45.98
CIELCh	41, 65.839, 135.705
Yxy	12.0669, 0.3016, 0.5987
Android (android.graphics.Color)	4278546944 (0xFF057200)
YUV	68.4130, -33.7276, -55.6132
Hunter-Lab	34.7374, -29.5543, 20.8864

Details

The Yxy color **12.0669, 0.3016, 0.5987** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **4.4776, 0.3108, 0.1486**, and the grayscale version is **5.9044, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.5834, 0.3151, 0.5245**, and **3.6668, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **12.0671, 0.3016, 0.5987**, and if you desaturate by 10%, it is **12.1694, 0.3023, 0.5849**.

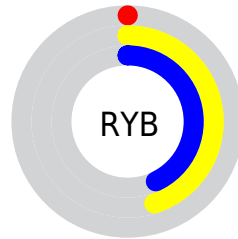
Distribution



Red (2%)

Green (45%)

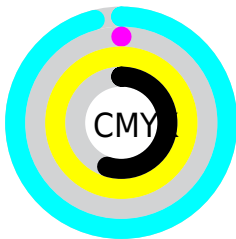
Blue (0%)



Red (0%)

Yellow (45%)

Blue (43%)

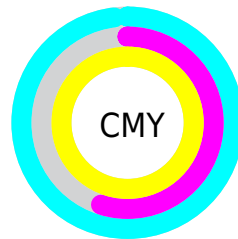


Cyan (96%)

Magenta (0%)

Yellow (100%)

Black (55%)



Cyan (98%)

Magenta (55%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.0669, 0.3016, 0.5987 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 12.0669, 0.3016, 0.5987 by changing the saturation by 10% instead.


 12.0669, 0.3016,
0.5987


 12.0669, 0.3016,
0.5987


 204.8477, 0.3206,
0.4251


 6.7893, 0.2853,
0.6601


 29.6169, 0.3154,
0.5242


 3.3307, 0.2515,
0.7485

 42.6580, 0.3180,
0.4997

 1.3067, 0.0304,
0.9696

 59.0558, 0.3194,
0.4804

 0.1464, 0.0000,
1.0000


 79.1946, 0.3202,
0.4650

 0.0000, 0.0000,
0.0000

 103.4587, 0.3205,
0.4523


 132.2327, 0.3207,


0.4417


 165.9009, 0.3207,
0.4328


 12.0669, 0.3016,
0.5987


 12.0669, 0.3016,
0.5987

 12.0671, 0.3016,
0.5987

 12.1694, 0.3023,
0.5849

 12.3261, 0.3038,
0.5661

 12.5576, 0.3054,
0.5405

 12.8718, 0.3069,
0.5099

 13.2754, 0.3084,
0.4767

■ 13.7745, 0.3096,
0.4430

■ 14.3747, 0.3107,
0.4106

■ 15.0811, 0.3115,
0.3804

■ 15.8985, 0.3122,
0.3532

Harmonies

Analogous

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



12.0669, 0.4207, 0.5541



12.0669, 0.3016, 0.5987



12.0669, 0.1918, 0.4943

Triad

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



12.0669, 0.3016, 0.5987



12.0669, 0.1169, 0.1509



12.0669, 0.5410, 0.2869

Complementary

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



12.0669, 0.3016, 0.5987



4.4776, 0.3108, 0.1486

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.



12.0669, 0.4105, 0.2168



12.0669, 0.3016, 0.5987



12.0669, 0.1677, 0.1432

Square

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



12.0669, 0.3016, 0.5987



12.0669, 0.1021, 0.1992



12.0669, 0.2661, 0.1658



12.0669, 0.5784, 0.3647

Rectangle

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



12.0669, 0.3016, 0.5987



12.0669, 0.1398, 0.3708



12.0669, 0.2661, 0.1658



12.0669, 0.5050, 0.2624

Sweetspot

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



12.0674, 0.3016, 0.5987



25.1668, 0.3106, 0.4131



14.3679, 0.4279, 0.4984



5.7384, 0.3103, 0.4234



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.



12.0674, 0.3016, 0.5987



21.1890, 0.3012, 0.5991



12.2780, 0.2749, 0.5097



3.7694, 0.3123, 0.3506



13.4297, 0.3015, 0.5988



66.8036, 0.3006, 0.5995

Inverse Universe

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



4.4776, 0.3108, 0.1486



7.8524, 0.3105, 0.1484



3.9342, 0.4668, 0.2346



3.4466, 0.3131, 0.3082



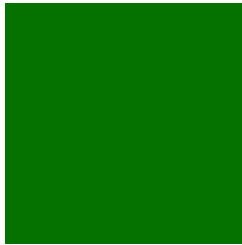
4.9812, 0.3107, 0.1485



24.7159, 0.3101, 0.1482

Previews

White Background



This preview shows how the Yxy color 12.0669, 0.3016, 0.5987 looks on a white background.

Color Contrast Check

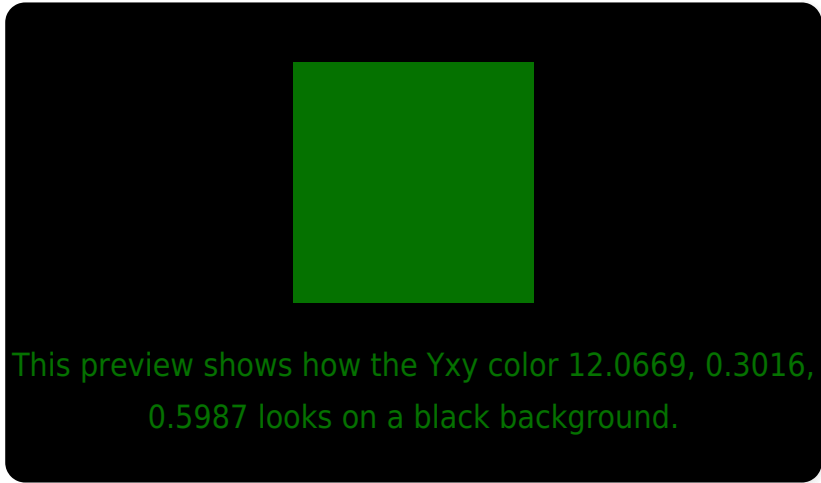
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.0669, 0.3016, 0.5987

Background



This preview shows how black text looks on a background with the Yxy color 12.0669, 0.3016, 0.5987.



This preview shows how white text looks on a background with the Yxy color 12.0669, 0.3016, 0.5987.

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

12.0669, 0.3016, 0.5987

Protanopia

12.0504, 0.4389, 0.4897

Deuteranopia

11.8621, 0.4545, 0.4482



Tritanopia

12.1743, 0.2384, 0.3066

Trichromacy



Original Color

12.0669, 0.3016, 0.5987

Protanomaly

11.2783, 0.3687, 0.5455

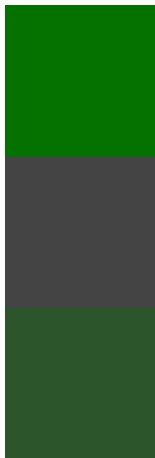
Deuteranomaly

10.8140, 0.3777, 0.5186

Tritanomaly

11.7254, 0.2674, 0.4315

Monochromacy



Original Color

12.0669, 0.3016, 0.5987

Achromatopsia

5.7805, 0.3127, 0.3290

Achromatomaly

7.2293, 0.3090, 0.4687

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.0669, 0.3016, 0.5987 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(5, 114, 0)` looks like.

```
.text, #text, p{  
    color:rgb(5, 114, 0)  
}
```

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(5, 114, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(5, 114, 0) }
```

Border

The CSS property to change the border of an element to Yxy 12.0669, 0.3016, 0.5987 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(5, 114, 0) }
```

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

```
.border{ border-color:rgb(5, 114, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(5, 114, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(5, 114, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(5, 114, 0); box-shadow:4px  
4px 4px 4px rgb(5, 114, 0) }
```


Background

The CSS property to change the background color of an element to Yxy 12.0669, 0.3016, 0.5987 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(5, 114, 0) }
```

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

```
.background{ background-color: rgb(5, 114,  
0) }
```

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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