

Converting Colors

$Y_{xy}(10.0436, 0.2799, 0.6036)$

Have a look what the booklet for
Yxy(10.0436, 0.2799, 0.6036)
contains.

Yxy(10.3278, 0.2972, 0.5899) 3

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Color

$\text{Yxy}(10.3278, 0.2972, 0.5899)$

Conversions

Conversions Part 1	
Format	Color
Hex	006A09
RGB	0, 106, 9
RGB Percent	0%, 42%, 4%
CMY	1.0000, 0.5843, 0.9648
CMYK	1.00, 0.00, 0.92, 0.58
HSL	125°, 100%, 21%
HSV	125°, 100%, 42%
XYZ	5.2033, 10.3278, 1.9766
YIQ	63.2480, -32.0390, -52.6390

Conversions

Conversions Part 2

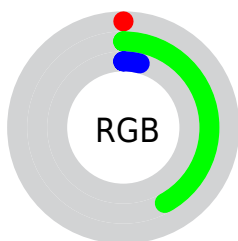
Format	Color
RYB	0, 98, 106
Decimal	27145
CIELab	38.42, -44.74, 41.27
CIELCh	38, 60.866, 137.306
Yxy	10.3278, 0.2972, 0.5899
Android (android.graphics.Color)	4278217225 (0xFF006A09)
YUV	63.2480, -26.7443, -55.4685
Hunter-Lab	32.1369, -27.3386, 18.8491

Details

The Yxy color **10.3278, 0.2972, 0.5899** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **3.9284, 0.3422, 0.1659**, and the grayscale version is **5.0533, 0.3127, 0.3290**.

A 20% lighter version of the original color is **26.2684, 0.3118, 0.5136**, and **2.9263, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **10.3281, 0.2972, 0.5899**, and if you desaturate by 10%, it is **10.4229, 0.2976, 0.5742**.

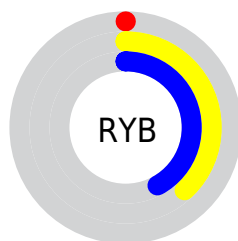
Distribution



Red (0%)

Green (42%)

Blue (4%)



Red (0%)

Yellow (38%)

Blue (42%)

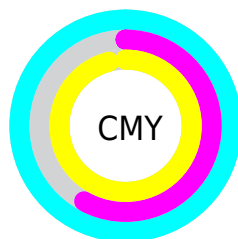


Cyan (100%)

Magenta (0%)

Yellow (92%)

Black (58%)



Cyan (100%)


Magenta (58%)

Yellow (96%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.3278, 0.2972, 0.5899 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 10.3278, 0.2972, 0.5899 by changing the saturation by 10% instead.


 10.3278, 0.2972,
0.5899


 10.3278, 0.2972,
0.5899


192.9959, 0.3177,
0.4180


 5.6168, 0.2807,
0.6561

 26.4103, 0.3113,
0.5140


 2.6135, 0.2447,
0.7553

 38.5505, 0.3141,
0.4898

 0.9335, 0.0000,
1.0000

 53.9361, 0.3157,
0.4710


 0.0000, 0.0000,
0.0000

 72.9512, 0.3166,
0.4560

 95.9804, 0.3172,
0.4438


 123.4079, 0.3175,


0.4338


 155.6183, 0.3176,
0.4253


 10.3278, 0.2972,
0.5899


 10.3278, 0.2972,
0.5899


 10.3281, 0.2972,
0.5899

 10.4229, 0.2976,
0.5742

 10.5559, 0.2975,
0.5527

 10.7530, 0.2982,
0.5260

 11.0211, 0.2994,
0.4959

 11.3661, 0.3012,
0.4643

■ 11.7931, 0.3034,
0.4330

■ 12.3072, 0.3057,
0.4032

■ 12.9127, 0.3081,
0.3757

■ 13.6138, 0.3104,
0.3510

Harmonies

Analogous

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



10.3278, 0.4145, 0.5549



10.3278, 0.2972, 0.5899



10.3278, 0.1902, 0.4802

Triad

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



10.3278, 0.2972, 0.5899



10.3278, 0.1219, 0.1530



10.3278, 0.5401, 0.2925

Complementary

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



10.3278, 0.2972, 0.5899



3.9284, 0.3422, 0.1659

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.



10.3278, 0.4162, 0.2225



10.3278, 0.2972, 0.5899



10.3278, 0.1744, 0.1468

Square

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



10.3278, 0.2972, 0.5899



10.3278, 0.1056, 0.1985



10.3278, 0.2741, 0.1708



10.3278, 0.5721, 0.3702

Rectangle

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



10.3278, 0.2972, 0.5899



10.3278, 0.1405, 0.3610



10.3278, 0.2741, 0.1708



10.3278, 0.5065, 0.2681

Sweetspot

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



10.3282, 0.2972, 0.5899



21.5168, 0.3055, 0.4056



12.8592, 0.4055, 0.5162



4.9732, 0.3048, 0.4145



55.4222, 0.3127, 0.3290



5.9254, 0.3127, 0.3290

Same Dimension

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



10.3282, 0.2972, 0.5899



18.1167, 0.2979, 0.5924



10.6546, 0.2623, 0.4643



3.4486, 0.3107, 0.3486



12.8143, 0.2975, 0.5910



65.2369, 0.2988, 0.5956

Inverse Universe

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



3.9284, 0.3422, 0.1659



6.8857, 0.3428, 0.1662



3.2477, 0.5188, 0.2632



3.1597, 0.3148, 0.3102



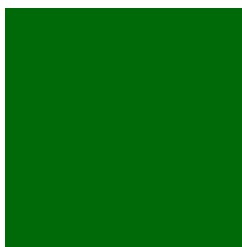
4.8724, 0.3424, 0.1660



24.7644, 0.3438, 0.1668

Previews

White Background



This preview shows how the Yxy color 10.3278, 0.2972, 0.5899 looks on a white background.

Color Contrast Check

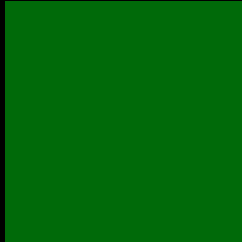
Large Text (above 18pt) WCAG AA ✓ Pass

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 10.3278, 0.2972, 0.5899 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

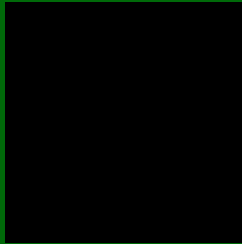
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.3278, 0.2972, 0.5899

Background



This preview shows how black text looks on a background with the Yxy color 10.3278, 0.2972, 0.5899.



This preview shows how white text looks on a background with the Yxy color 10.3278, 0.2972, 0.5899.

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

10.3278, 0.2972, 0.5899

Protanopia

10.3070, 0.4384, 0.4901

Deuteranopia

10.2989, 0.4529, 0.4471



Tritanopia

10.5207, 0.2385, 0.3077

Trichromacy



Original Color

10.3278, 0.2972, 0.5899



Protanomaly

9.4961, 0.3654, 0.5439



Deuteranomaly

9.2922, 0.3741, 0.5127



Tritanomaly

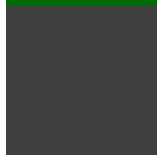
10.2046, 0.2635, 0.4222

Monochromacy



Original Color

10.3278, 0.2972, 0.5899



Achromatopsia

4.9707, 0.3127, 0.3290



Achromatomaly

6.2175, 0.3021, 0.4574

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.3278, 0.2972, 0.5899 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, 106, 9)` looks like.

```
.text, #text, p{  
    color:rgb(0, 106, 9)  
}
```

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, 106, 9) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 106, 9) }
```

Border

The CSS property to change the border of an element to Yxy 10.3278, 0.2972, 0.5899 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, 106, 9) }
```

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

```
.border{ border-color:rgb(0, 106, 9) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 106, 9)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 106, 9); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 106, 9); box-shadow:4px  
4px 4px 4px rgb(0, 106, 9) }
```


Background

The CSS property to change the background color of an element to Yxy 10.3278, 0.2972, 0.5899 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 106, 9) }
```

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

```
.background{ background-color: rgb(0, 106,  
9) }
```

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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