

Converting Colors

$Y_{xy}(10.0236, 0.4298, 0.4969)$

Have a look what the booklet for
Yxy(10.0236, 0.4298, 0.4969)
contains.

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Color

Yxy(10.0236, 0.4298, 0.4969)

Conversions

Conversions Part 1

Format	Color
Hex	615B00
RGB	97, 91, 0
RGB Percent	38%, 36%, 0%
CMY	0.6197, 0.6431, 0.9999
CMYK	0.00, 0.06, 1.00, 0.62
HSL	56°, 100%, 19%
HSV	56°, 100%, 38%
XYZ	8.6700, 10.0236, 1.4786
YIQ	82.4200, 32.7870, -27.0290

Conversions

Conversions Part 2

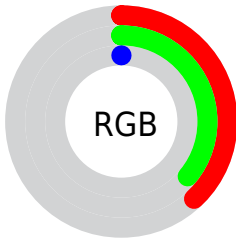
Format	Color
RYB	6, 97, 0
Decimal	6380288
CIELab	37.88, -7.18, 45.19
CIElCh	38, 45.757, 99.034
Yxy	10.0236, 0.4298, 0.4969
Android (android.graphics.Color)	4284570368 (0xFF615B00)
YUV	82.4200, -40.6331, 12.7867
Hunter-Lab	31.6601, -6.5233, 19.3930

Details

The Yxy color **10.0236, 0.4298, 0.4969** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **0.9936, 0.1523, 0.0681**, and the grayscale version is **8.6060, 0.3127, 0.3290**.

A 20% lighter version of the original color is **25.9146, 0.4075, 0.4591**, and **2.5348, 0.4193, 0.5053** is the 20% darker color. If you saturate the color by 10%, you get **10.0236, 0.4298, 0.4969**, and if you desaturate by 10%, it is **10.1480, 0.4239, 0.4903**.

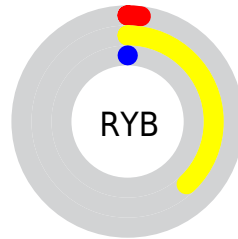
Distribution



Red (38%)

Green (36%)

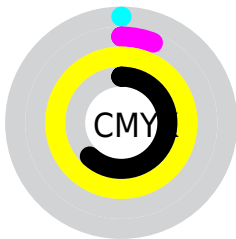
Blue (0%)



Red (2%)

Yellow (38%)

Blue (0%)

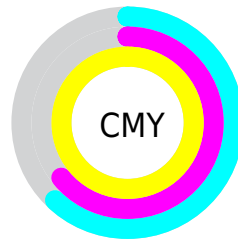


Cyan (0%)

Magenta (6%)

Yellow (100%)

Black (62%)



Cyan (62%)


Magenta (64%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 10.0236, 0.4298, 0.4969 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 10.0236, 0.4298, 0.4969 by changing the saturation by 10% instead.


 10.0236, 0.4298,
0.4969


 10.0236, 0.4298,
0.4969


 190.8404, 0.3652,
0.3979


 5.4146, 0.4493,
0.5309

 25.8399, 0.4071,
0.4587


 2.4925, 0.4496,
0.5504


 37.8160, 0.3980,
0.4447

 0.8729, 0.4284,
0.5716

 53.0165, 0.3902,
0.4332


 0.0000, 0.0000,
0.0000


 71.8260, 0.3836,
0.4236


 94.6287, 0.3779,
0.4156


 121.8091, 0.3731,


0.4088


 153.7515, 0.3688,
0.4029


 10.0236, 0.4298,
0.4969

 10.1480, 0.4239,
0.4903

 10.2788, 0.4171,
0.4820

 10.4240, 0.4080,
0.4700

 10.5851, 0.3968,
0.4545

 10.7635, 0.3841,
0.4363

■ 10.9604, 0.3702,
0.4160

■ 11.1767, 0.3557,
0.3944

■ 11.4134, 0.3410,
0.3723

■ 11.6714, 0.3266,
0.3503

Harmonies

Analogous

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



10.0236, 0.4988, 0.4278



10.0236, 0.4298, 0.4969



10.0236, 0.3371, 0.5277

Triad

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



10.0236, 0.4298, 0.4969



10.0236, 0.1434, 0.2484



10.0236, 0.3627, 0.2299

Complementary

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



10.0236, 0.4298, 0.4969



0.9936, 0.1523, 0.0681

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.



10.0236, 0.2582, 0.1913



10.0236, 0.4298, 0.4969



10.0236, 0.1482, 0.1941

Square

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



10.0236, 0.4298, 0.4969



10.0236, 0.1738, 0.3499



10.0236, 0.1854, 0.1780



10.0236, 0.4662, 0.2877

Rectangle

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



10.0236, 0.4298, 0.4969



10.0236, 0.2730, 0.5003



10.0236, 0.1854, 0.1780



10.0236, 0.3256, 0.2145

Sweetspot

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



10.0241, 0.4298, 0.4969



19.1281, 0.3570, 0.3964



2.5557, 0.6254, 0.3219



4.7220, 0.3612, 0.4027



52.2522, 0.3127, 0.3290



5.0876, 0.3127, 0.3290

Same Dimension

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



10.0241, 0.4298, 0.4969



17.1353, 0.4301, 0.4967



9.3586, 0.3501, 0.5602



2.9446, 0.3250, 0.3479



13.6179, 0.4300, 0.4968



72.2764, 0.4307, 0.4962

Inverse Universe

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



0.9936, 0.1523, 0.0681



1.6467, 0.1517, 0.0660



1.3568, 0.1962, 0.0855



2.5381, 0.3000, 0.3093



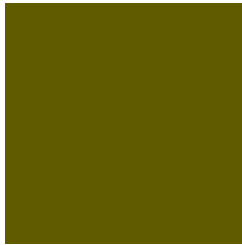
1.3246, 0.1519, 0.0668



6.6091, 0.1508, 0.0629

Previews

White Background



This preview shows how the Yxy color 10.0236, 0.4298, 0.4969 looks on a white background.

Color Contrast Check

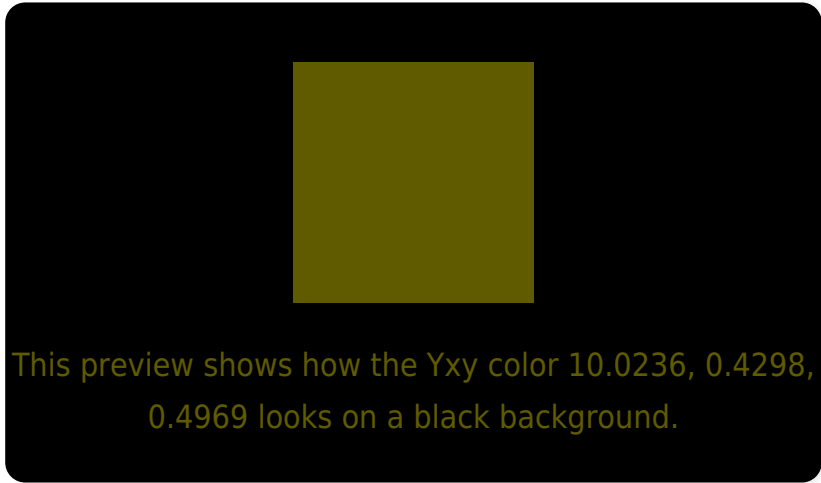
Large Text (above 18pt) WCAG AA ✓ Pass

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

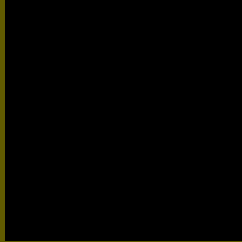
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.0236, 0.4298, 0.4969

Background



This preview shows how black text looks on a background with the Yxy color 10.0236, 0.4298, 0.4969.



This preview shows how white text looks on a background with the Yxy color 10.0236, 0.4298, 0.4969.

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

10.0236, 0.4298, 0.4969

Protanopia

10.0790, 0.4386, 0.4899

Deuteranopia

10.0368, 0.4615, 0.4572



Tritanopia

10.1359, 0.3337, 0.3152

Trichromacy



Original Color

10.0236, 0.4298, 0.4969

Protanomaly

10.0217, 0.4369, 0.4913

Deuteranomaly

9.9597, 0.4504, 0.4714

Tritanomaly

9.8886, 0.3841, 0.3982

Monochromacy



Original Color

10.0236, 0.4298, 0.4969

Achromatopsia

8.4376, 0.3127, 0.3290

Achromatomaly

8.7712, 0.3696, 0.4157

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.0236, 0.4298, 0.4969 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(97, 91, 0)` looks like.

```
.text, #text, p{  
    color:rgb(97, 91, 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(97, 91, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 91, 0) }
```

Border

The CSS property to change the border of an element to Yxy 10.0236, 0.4298, 0.4969 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(97, 91, 0) }
```

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

```
.border{ border-color:rgb(97, 91, 0) }
```

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

Here you see how a box with a 4 pixel rgb(97, 91, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 91, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(97, 91, 0); box-shadow:4px  
4px 4px 4px rgb(97, 91, 0) }
```


Background

The CSS property to change the background color of an element to Yxy 10.0236, 0.4298, 0.4969 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 91, 0) }
```

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

```
.background{ background-color: rgb(97, 91,  
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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