

Converting Colors

$Yxy(11.4973, 0.2443, 0.6323)$

Have a look what the booklet for
Yxy(11.4973, 0.2443, 0.6323)
contains.

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Color

$Y_{xy}(12.5105, 0.2977, 0.5916)$

Conversions

Conversions Part 1

Format	Color
Hex	007409
RGB	0, 116, 9
RGB Percent	0%, 45%, 4%
CMY	0.9997, 0.5451, 0.9647
CMYK	1.00, 0.00, 0.92, 0.55
HSL	125°, 100%, 23%
HSV	125°, 100%, 45%
XYZ	6.2954, 12.5105, 2.3410
YIQ	69.1180, -34.7890, -57.8690

Conversions

Conversions Part 2

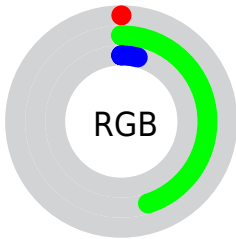
Format	Color
RYB	0, 108, 116
Decimal	29705
CIELab	42.02, -47.77, 44.42
CIELCh	42, 65.227, 137.083
Yxy	12.5105, 0.2977, 0.5916
Android (android.graphics.Color)	4278219785 (0xFF007409)
YUV	69.1180, -29.6382, -60.6165
Hunter-Lab	35.3702, -30.1272, 20.8350

Details

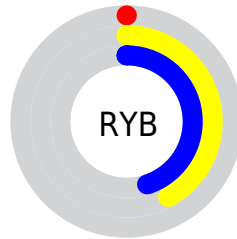
The Yxy color **12.5105, 0.2977, 0.5916** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **4.7784, 0.3403, 0.1649**, and the grayscale version is **6.0297, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.3354, 0.3115, 0.5191**, and **3.8964, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **12.5103, 0.2977, 0.5917**, and if you desaturate by 10%, it is **12.6161, 0.2979, 0.5768**.

Distribution



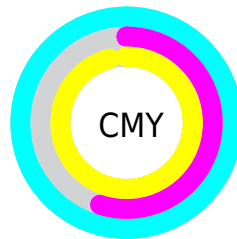
- Red (0%)
- Green (45%)
- Blue (4%)



- Red (0%)
- Yellow (42%)
- Blue (45%)



- Cyan (100%)
- Magenta (0%)
- Yellow (92%)
- Black (55%)





- Cyan (100%)
- Magenta (55%)
- Yellow (96%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.5105, 0.2977, 0.5916 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 12.5105, 0.2977, 0.5916 by changing the saturation by 10% instead.


 12.5105, 0.2977,
0.5916


 12.5105, 0.2977,
0.5916


207.7562, 0.3181,
0.4226


 7.0924, 0.2811,
0.6498


 30.4215, 0.3114,
0.5188


 3.5199, 0.2526,
0.7474

 43.6832, 0.3142,
0.4950


 1.4088, 0.0652,
0.9348

 60.3282, 0.3159,
0.4763

 0.2232, 0.0000,
1.0000


 80.7408, 0.3169,
0.4613


 0.0000, 0.0000,
0.0000


 105.3056, 0.3175,
0.4490


 134.4068, 0.3178,


0.4387

 168.4289, 0.3180,
0.4301


 12.5105, 0.2977,
0.5916


 12.5105, 0.2977,
0.5916

 12.5103, 0.2977,
0.5917

 12.6161, 0.2979,
0.5768

 12.7722, 0.2979,
0.5559

 13.0070, 0.2985,
0.5292

 13.3293, 0.2998,
0.4989

 13.7466, 0.3016,
0.4668

■ 14.2655, 0.3036,
0.4349

■ 14.8921, 0.3059,
0.4045

■ 15.6321, 0.3083,
0.3765

■ 16.4906, 0.3105,
0.3512

Harmonies

Analogous

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



12.5105, 0.4146, 0.5541



12.5105, 0.2977, 0.5916



12.5105, 0.1902, 0.4824

Triad

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



12.5105, 0.2977, 0.5916



12.5105, 0.1210, 0.1525



12.5105, 0.5406, 0.2917

Complementary

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



12.5105, 0.2977, 0.5916



4.7784, 0.3403, 0.1649

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.



12.5105, 0.4155, 0.2216



12.5105, 0.2977, 0.5916



12.5105, 0.1733, 0.1461

Square

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



12.5105, 0.2977, 0.5916



12.5105, 0.1049, 0.1984



12.5105, 0.2729, 0.1699



12.5105, 0.5733, 0.3694

Rectangle

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



12.5105, 0.2977, 0.5916



12.5105, 0.1402, 0.3623



12.5105, 0.2729, 0.1699



12.5105, 0.5066, 0.2672

Sweetspot

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



12.5110, 0.2977, 0.5916



26.0784, 0.3057, 0.4070



15.6962, 0.4082, 0.5140



6.1297, 0.3050, 0.4170



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.



12.5110, 0.2977, 0.5916



21.9821, 0.2983, 0.5938



12.8820, 0.2643, 0.4714



4.1024, 0.3107, 0.3492



14.0381, 0.2978, 0.5922



68.3568, 0.2990, 0.5963

Inverse Universe

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



4.7784, 0.3403, 0.1649



8.3877, 0.3409, 0.1651



3.9479, 0.5143, 0.2608



3.7533, 0.3147, 0.3096



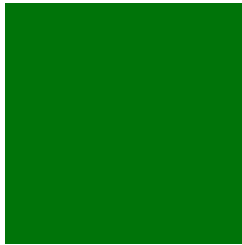
5.3590, 0.3405, 0.1649



26.0582, 0.3416, 0.1655

Previews

White Background



This preview shows how the Yxy color 12.5105, 0.2977, 0.5916 looks on a white background.

Color Contrast Check

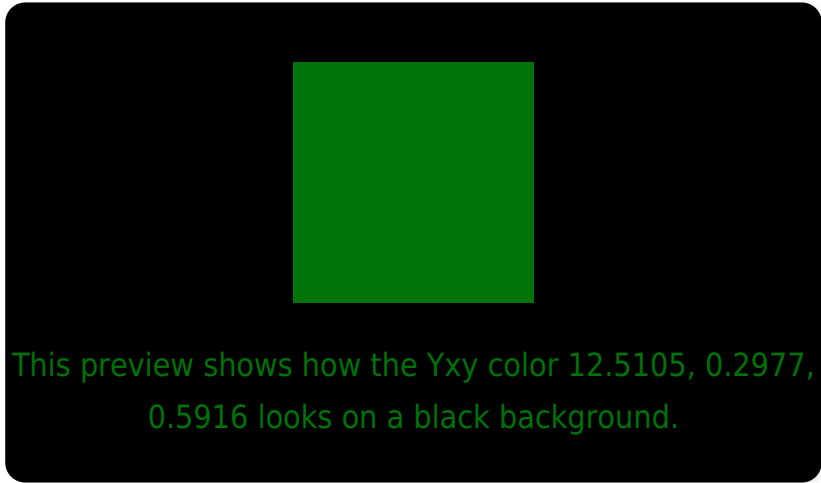
Large Text (above 18pt) WCAG AA ✓ Pass

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

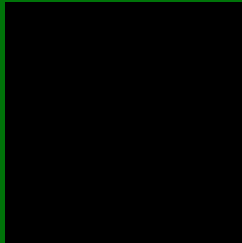
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.5105, 0.2977, 0.5916

Background



This preview shows how black text looks on a background with the Yxy color 12.5105, 0.2977, 0.5916.



This preview shows how white text looks on a background with the Yxy color 12.5105, 0.2977, 0.5916.

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

12.5105, 0.2977, 0.5916

Protanopia

12.3684, 0.4403, 0.4886

Deuteranopia

12.3651, 0.4534, 0.4485



Tritanopia

12.6624, 0.2385, 0.3069

Trichromacy



Original Color

12.5105, 0.2977, 0.5916

Protanomaly

11.4493, 0.3649, 0.5450

Deuteranomaly

11.2155, 0.3731, 0.5164

Tritanomaly

12.2102, 0.2629, 0.4211

Monochromacy



Original Color

12.5105, 0.2977, 0.5916

Achromatopsia

5.9511, 0.3127, 0.3290

Achromatomaly

7.3963, 0.3024, 0.4584

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.5105, 0.2977, 0.5916 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, 9)` looks like.

```
.text, #text, p{  
    color:rgb(0, 116, 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, 116, 9) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 116, 9) }
```

Border

The CSS property to change the border of an element to Yxy 12.5105, 0.2977, 0.5916 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, 9) }
```

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

```
.border{ border-color:rgb(0, 116, 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, 116, 9)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 116, 9); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 116, 9); box-shadow:4px  
4px 4px 4px rgb(0, 116, 9) }
```


Background

The CSS property to change the background color of an element to Yxy 12.5105, 0.2977, 0.5916 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, 9) }
```

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

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