

Converting Colors

$Y_{xy}(30.0775, 0.3008, 0.5994)$

Have a look what the booklet for
Yxy(30.0775, 0.3008, 0.5994)
contains.

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Color

$Y_{xy}(29.9259, 0.3008, 0.5994)$

Conversions

Conversions Part 1

Format	Color
Hex	06AD00
RGB	6, 173, 0
RGB Percent	2%, 68%, 0%
CMY	0.9767, 0.3216, 1.0000
CMYK	0.97, 0.00, 1.00, 0.32
HSL	118°, 100%, 34%
HSV	118°, 100%, 68%
XYZ	15.0179, 29.9259, 4.9827
YIQ	103.3450, -43.9990, -89.2070

Conversions

Conversions Part 2

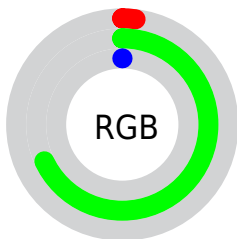
Format	Color
RYB	0, 173, 167
Decimal	437504
CIELab	61.59, -64.13, 62.24
CIELCh	62, 89.368, 135.858
Yxy	29.9259, 0.3008, 0.5994
Android (android.graphics.Color)	4278627584 (0xFF06AD00)
YUV	103.3450, -50.9491, -85.3716
Hunter-Lab	54.7046, -46.7300, 32.8929

Details

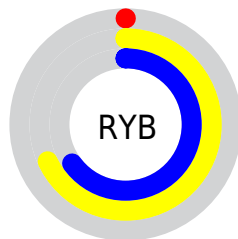
The Yxy color **29.9259, 0.3008, 0.5994** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **11.2392, 0.3124, 0.1495**, and the grayscale version is **13.8028, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.6294, 0.3125, 0.5408**, and **13.1937, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **29.9273, 0.3008, 0.5994**, and if you desaturate by 10%, it is **30.1084, 0.3016, 0.5898**.

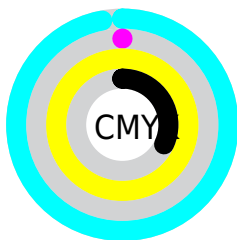
Distribution



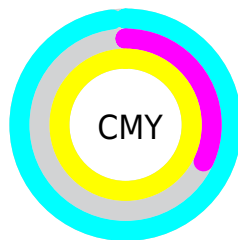
- Red (2%)
- Green (68%)
- Blue (0%)



- Red (0%)
- Yellow (68%)
- Blue (65%)



- Cyan (97%)
- Magenta (0%)
- Yellow (100%)
- Black (32%)





- Cyan (98%)
- Magenta (32%)
- Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 29.9259, 0.3008, 0.5994 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 29.9259, 0.3008, 0.5994 by changing the saturation by 10% instead.

 29.9259, 0.3008,
0.5994


 29.9259, 0.3008,
0.5994


301.5589, 0.3203,
0.4454


 19.7824, 0.2888,
0.6406


 59.5450, 0.3126,
0.5402

 12.2369, 0.2689,
0.6936


 79.7893, 0.3155,
0.5188

 6.9053, 0.2359,
0.7641


 104.1693, 0.3174,
0.5011

 3.4029, 0.1719,
0.8281

 133.0694, 0.3186,
0.4862

 1.3455, 0.0000,
1.0000

 166.8741, 0.3194,
0.4736

 0.1760, 0.0000,
1.0000

 205.9676, 0.3199,


 0.0000, 0.0000,

0.4629

0.0000


 250.7344, 0.3202,
0.4536


 29.9259, 0.3008,
0.5994

 29.9259, 0.3008,
0.5994


 29.9273, 0.3008,
0.5994

 30.1084, 0.3016,
0.5898

 30.4462, 0.3029,
0.5731

 30.9785, 0.3044,
0.5484

 31.7285, 0.3060,
0.5177

 32.7163, 0.3076,
0.4836

■ 33.9596, 0.3090,
0.4485

■ 35.4745, 0.3102,
0.4144

■ 37.2757, 0.3112,
0.3828

■ 39.3769, 0.3121,
0.3542

Harmonies

Analogous

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



29.9259, 0.4190, 0.5535



29.9259, 0.3008, 0.5994



29.9259, 0.1909, 0.4940

Triad

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



29.9259, 0.3008, 0.5994



29.9259, 0.1168, 0.1504



29.9259, 0.5421, 0.2871

Complementary

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



29.9259, 0.3008, 0.5994



11.2392, 0.3124, 0.1495

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.



29.9259, 0.4115, 0.2169



29.9259, 0.3008, 0.5994



29.9259, 0.1677, 0.1429

Square

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



29.9259, 0.3008, 0.5994



29.9259, 0.1017, 0.1985



29.9259, 0.2666, 0.1657



29.9259, 0.5789, 0.3650

Rectangle

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



29.9259, 0.3008, 0.5994



29.9259, 0.1391, 0.3699



29.9259, 0.2666, 0.1657



29.9259, 0.5061, 0.2626

Sweetspot

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



29.9273, 0.3008, 0.5994



63.3749, 0.3102, 0.4162



35.5627, 0.4283, 0.4982



13.5220, 0.3097, 0.4298



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



29.9273, 0.3008, 0.5994



53.5763, 0.3006, 0.5995



30.4368, 0.2768, 0.5164



8.9520, 0.3121, 0.3524



21.9900, 0.3009, 0.5993



0.6159, 0.3051, 0.5960

Inverse Universe

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



11.2392, 0.3124, 0.1495



20.1075, 0.3122, 0.1494



9.7138, 0.4739, 0.2384



8.1338, 0.3132, 0.3066



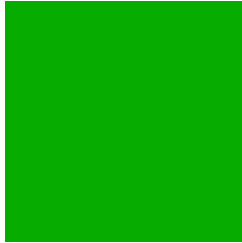
8.2617, 0.3125, 0.1495



0.2341, 0.3152, 0.1510

Previews

White Background



This preview shows how the Yxy color 29.9259, 0.3008, 0.5994 looks on a white background.

Color Contrast Check

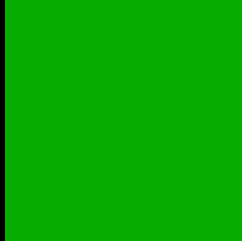
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the Yxy color 29.9259, 0.3008, 0.5994 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

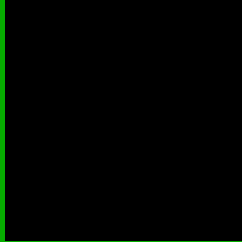
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.9259, 0.3008, 0.5994

Background



This preview shows how black text looks on a background with the Yxy color 29.9259, 0.3008, 0.5994.



This preview shows how white text looks on a background with the Yxy color 29.9259, 0.3008, 0.5994.

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

29.9259, 0.3008, 0.5994

Protanopia

29.3953, 0.4407, 0.4883

Deuteranopia

29.3352, 0.4596, 0.4497



Tritanopia

29.9622, 0.2368, 0.3067

Trichromacy



Original Color

29.9259, 0.3008, 0.5994



Protanomaly

27.3021, 0.3659, 0.5477



Deuteranomaly

26.5874, 0.3792, 0.5229



Tritanomaly

28.7109, 0.2667, 0.4353

Monochromacy



Original Color

29.9259, 0.3008, 0.5994



Achromatopsia

13.5633, 0.3127, 0.3290



Achromatomaly

17.0606, 0.3079, 0.4738

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.9259, 0.3008, 0.5994 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(6, 173, 0)` looks like.

```
.text, #text, p{  
    color:rgb(6, 173, 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(6, 173, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(6, 173, 0) }
```

Border

The CSS property to change the border of an element to Yxy 29.9259, 0.3008, 0.5994 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(6, 173, 0) }
```

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

```
.border{ border-color:rgb(6, 173, 0) }
```

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

Here you see how a box with a 4 pixel rgb(6, 173, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(6, 173, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(6, 173, 0); box-shadow:4px  
4px 4px 4px rgb(6, 173, 0) }
```


Background

The CSS property to change the background color of an element to Yxy 29.9259, 0.3008, 0.5994 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(6, 173, 0) }
```

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

```
.background{ background-color: rgb(6, 173,  
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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