

# Converting Colors

$Yxy(29.5824, 0.3105, 0.5914)$

Have a look what the booklet for  
Yxy(29.5824, 0.3105, 0.5914)  
contains.

<b>Yxy(29.6416, 0.3104, 0.5912)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

**Color**

**$\text{Yxy}(29.6416, 0.3104, 0.5912)$**

# Conversions

## Conversions Part 1

Format	Color
Hex	2BAB01
RGB	43, 171, 1
RGB Percent	17%, 67%, 0%
CMY	0.8317, 0.3294, 0.9955
CMYK	0.75, 0.00, 0.99, 0.33
HSL	105°, 99%, 34%
HSV	105°, 99%, 67%
XYZ	15.5628, 29.6416, 4.9336
YIQ	113.3480, -21.7180, -80.0060

# Conversions

## Conversions Part 2

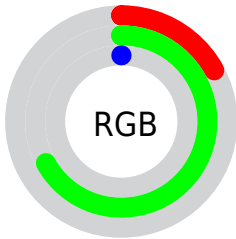
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	1, 171, 129
Decimal	2861825
CIE <sub>Lab</sub>	61.34, -59.84, 62.05
CIE <sub>LCh</sub>	61, 86.202, 133.961
Yxy	29.6416, 0.3104, 0.5912
Android (android.graphics.Color)	4281051905 (0xFF2BAB01)
YUV	113.3480, -55.3876, -61.6952
Hunter-Lab	54.4441, -44.2530, 32.7382

# Details

The Yxy color **29.6416, 0.3104, 0.5912** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **7.6504, 0.2601, 0.1210**, and the grayscale version is **16.7945, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.3607, 0.3203, 0.5350**, and **12.7226, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **29.6219, 0.3102, 0.5919**, and if you desaturate by 10%, it is **30.0084, 0.3145, 0.5791**.

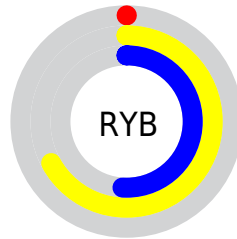
# Distribution



Red (17%)

Green (67%)

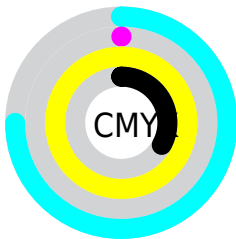
Blue (0%)



Red (0%)

Yellow (67%)

Blue (51%)

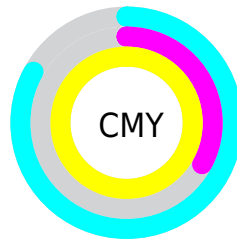


Cyan (75%)

Magenta (0%)

Yellow (99%)

Black (33%)



Cyan (83%)

Magenta (33%)


Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 29.6416, 0.3104, 0.5912 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 29.6416, 0.3104, 0.5912 by changing the saturation by 10% instead.





 29.6416, 0.3104,  
0.5912


 29.6416, 0.3104,  
0.5912


300.2303, 0.3244,  
0.4426


 19.5667, 0.2999,  
0.6308


 59.0949, 0.3201,  
0.5343

 12.0805, 0.2820,  
0.6816


 79.2422, 0.3222,  
0.5136


 6.7985, 0.2513,  
0.7487

 103.5156, 0.3234,  
0.4964

 3.3364, 0.1905,  
0.8095

 132.2997, 0.3241,  
0.4821

 1.3098, 0.0000,  
1.0000

 165.9788, 0.3244,  
0.4699

 0.1488, 0.0000,  
1.0000

 204.9374, 0.3246,

 0.0000, 0.0000,


0.4595


0.0000

 249.5597, 0.3245,  
0.4505


 29.6416, 0.3104,  
0.5912


 29.6416, 0.3104,  
0.5912


 29.6219, 0.3102,  
0.5919

 30.0084, 0.3145,  
0.5791

 30.5065, 0.3181,  
0.5607

 31.1567, 0.3207,  
0.5360

 31.9712, 0.3220,  
0.5066

 32.9612, 0.3222,  
0.4745

■ 34.1367, 0.3214,  
0.4417

■ 35.5069, 0.3198,  
0.4098

■ 37.0804, 0.3176,  
0.3797

■ 38.8651, 0.3152,  
0.3522

# Harmonies

## Analogous

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



29.6416, 0.4258, 0.5435



29.6416, 0.3104, 0.5912



29.6416, 0.2010, 0.4983

# Triad

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



29.6416, 0.3104, 0.5912



29.6416, 0.1189, 0.1562



29.6416, 0.5293, 0.2845

# Complementary

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



29.6416, 0.3104, 0.5912



7.6504, 0.2601, 0.1210

# 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.



29.6416, 0.3993, 0.2159



29.6416, 0.3104, 0.5912



29.6416, 0.1668, 0.1464

# Square

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



29.6416, 0.3104, 0.5912



29.6416, 0.1062, 0.2073



29.6416, 0.2606, 0.1671



29.6416, 0.5729, 0.3612



# Rectangle

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



29.6416, 0.3104, 0.5912



29.6416, 0.1477, 0.3803



29.6416, 0.2606, 0.1671



29.6416, 0.4925, 0.2603

# Sweetspot

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



29.6428, 0.3104, 0.5912



63.2721, 0.3200, 0.4135



24.2412, 0.4707, 0.4640



13.8802, 0.3207, 0.4265



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.



29.6428, 0.3104, 0.5912



52.9629, 0.3092, 0.5927



29.3147, 0.2915, 0.5686



9.0310, 0.3152, 0.3522



22.3500, 0.3107, 0.5915



0.6472, 0.3333, 0.5736



# Inverse Universe

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



7.6504, 0.2601, 0.1210



13.5124, 0.2586, 0.1198



10.2564, 0.3951, 0.1954



8.0474, 0.3100, 0.3064



5.7569, 0.2603, 0.1208

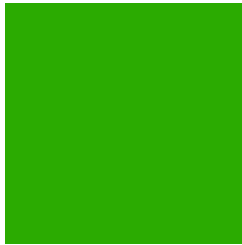


0.1837, 0.2797, 0.1314



# Previews

## White Background



This preview shows how the Yxy color 29.6416, 0.3104, 0.5912 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 29.6416, 0.3104, 0.5912 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 29.6416, 0.3104, 0.5912**

## **Background**



This preview shows how black text looks on a background with the Yxy color 29.6416, 0.3104, 0.5912.



This preview shows how white text looks on a background with the Yxy color 29.6416, 0.3104, 0.5912.

# 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

29.6416, 0.3104, 0.5912

### Protanopia

28.9744, 0.4408, 0.4882

### Deuteranopia

28.9131, 0.4602, 0.4499



## Tritanopia

29.5687, 0.2420, 0.3067

# Trichromacy



## Original Color

29.6416, 0.3104, 0.5912



## Protanomaly

27.8419, 0.3806, 0.5360



## Deuteranomaly

27.1857, 0.3937, 0.5120



## Tritanomaly

28.5491, 0.2766, 0.4316

# Monochromacy



## Original Color

29.6416, 0.3104, 0.5912



## Achromatopsia

16.5132, 0.3127, 0.3290



## Achromatomaly

19.5928, 0.3228, 0.4610

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 29.6416, 0.3104, 0.5912 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(43, 171, 1)` looks like.

```
.text, #text, p{  
    color:rgb(43, 171, 1)  
}
```

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(43, 171, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(43, 171, 1) }
```

## Border

The CSS property to change the border of an element to Yxy 29.6416, 0.3104, 0.5912 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(43, 171, 1) }
```

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

```
.border{ border-color:rgb(43, 171, 1) }
```

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

Here you see how a box with a 4 pixel rgb(43, 171, 1) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(43, 171, 1); -webkit-box-  
shadow:4px 4px 4px 4px rgb(43, 171, 1);  
box-shadow:4px 4px 4px 4px rgb(43, 171, 1)  
}
```



# Background

The CSS property to change the background color of an element to Yxy 29.6416, 0.3104, 0.5912 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(43, 171, 1) }
```

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

```
.background{ background-color: rgb(43, 171,  
1) }
```

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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