

Converting Colors

$Y_{xy}(29.9016, 0.2916, 0.5699)$

Have a look what the booklet for
Yxy(29.9016, 0.2916, 0.5699)
contains.

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Color

Yxy(30.0616, 0.2917, 0.5702)

Conversions

Conversions Part 1

Format	Color
Hex	00AD2B
RGB	0, 173, 43
RGB Percent	0%, 68%, 17%
CMY	1.0000, 0.3215, 0.8312
CMYK	1.00, 0.00, 0.75, 0.32
HSL	135°, 100%, 34%
HSV	135°, 100%, 68%
XYZ	15.3788, 30.0616, 7.2808
YIQ	106.4530, -61.3780, -77.1060

Conversions

Conversions Part 2

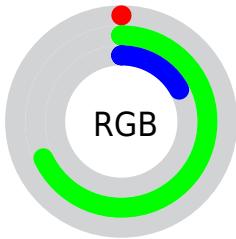
Format	Color
RYB	0, 139, 173
Decimal	44331
CIELab	61.71, -62.49, 52.80
CIELCh	62, 81.809, 139.803
Yxy	30.0616, 0.2917, 0.5702
Android (android.graphics.Color)	4278234411 (0xFF00AD2B)
YUV	106.4530, -31.2823, -93.3593
Hunter-Lab	54.8285, -45.8826, 30.5067

Details

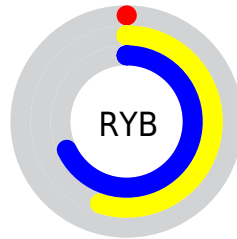
The Yxy color **30.0616, 0.2917, 0.5702** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **10.4956, 0.3954, 0.1952**, and the grayscale version is **14.6466, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.8896, 0.3030, 0.5159**, and **13.1937, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **30.0638, 0.2917, 0.5702**, and if you desaturate by 10%, it is **30.2969, 0.2893, 0.5514**.

Distribution



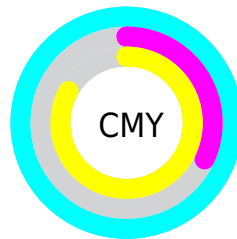
- Red (0%)
- Green (68%)
- Blue (17%)



- Red (0%)
- Yellow (55%)
- Blue (68%)



- Cyan (100%)
- Magenta (0%)
- Yellow (75%)
- Black (32%)





- Cyan (100%)
- Magenta (32%)
- Yellow (83%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.0616, 0.2917, 0.5702 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 30.0616, 0.2917, 0.5702 by changing the saturation by 10% instead.


 30.0616, 0.2917,
0.5702


 30.0616, 0.2917,
0.5702


302.1915, 0.3125,
0.4312


 19.8853, 0.2813,
0.6097


 59.7596, 0.3027,
0.5156


 12.3117, 0.2640,
0.6616


 80.0501, 0.3057,
0.4962

 6.9564, 0.2394,
0.7466


 104.4808, 0.3078,
0.4804

 3.4348, 0.1809,
0.8191

 133.4362, 0.3093,
0.4672

 1.3627, 0.0000,
1.0000

 167.3005, 0.3105,
0.4560

 0.1890, 0.0000,
1.0000

 206.4582, 0.3113,

 0.0000, 0.0000,

0.4465

0.0000

251.2938, 0.3120,
0.4383

■ 30.0616, 0.2917,
0.5702

■ 30.0616, 0.2917,
0.5702

■ 30.0638, 0.2917,
0.5702

■ 30.2969, 0.2893,
0.5514

■ 30.6695, 0.2877,
0.5284

■ 31.2262, 0.2876,
0.5022

■ 31.9884, 0.2888,
0.4743

■ 32.9746, 0.2913,
0.4460

■ 34.2013, 0.2947,
0.4186

■ 35.6832, 0.2988,
0.3928

■ 37.4338, 0.3033,
0.3691

■ 39.4659, 0.3080,
0.3479

Harmonies

Analogous

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



30.0616, 0.4036, 0.5502



30.0616, 0.2917, 0.5702



30.0616, 0.1903, 0.4568

Triad

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



30.0616, 0.2917, 0.5702



30.0616, 0.1321, 0.1587



30.0616, 0.5339, 0.3020

Complementary

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



30.0616, 0.2917, 0.5702



10.4956, 0.3954, 0.1952

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.



30.0616, 0.4223, 0.2328



30.0616, 0.2917, 0.5702



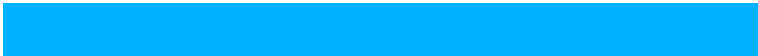
30.0616, 0.1869, 0.1549

Square

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



30.0616, 0.2917, 0.5702



30.0616, 0.1136, 0.1999



30.0616, 0.2867, 0.1806



30.0616, 0.5585, 0.3788

Rectangle

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



30.0616, 0.2917, 0.5702



30.0616, 0.1444, 0.3471



30.0616, 0.2867, 0.1806



30.0616, 0.5044, 0.2779

Sweetspot

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



30.0638, 0.2917, 0.5702



63.7520, 0.2986, 0.3941



34.8461, 0.3788, 0.5374



13.6099, 0.2969, 0.4044



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.



30.0638, 0.2917, 0.5702



53.8104, 0.2924, 0.5728



31.4180, 0.2492, 0.4173



8.9708, 0.3083, 0.3465



22.0929, 0.2912, 0.5684



0.6233, 0.2745, 0.5082

Inverse Universe

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



10.4956, 0.3954, 0.1952



18.7599, 0.3970, 0.1960



9.0831, 0.5865, 0.3005



8.1135, 0.3174, 0.3121



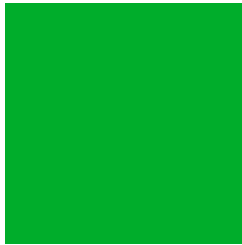
7.7195, 0.3944, 0.1947



0.2228, 0.3680, 0.1801

Previews

White Background



This preview shows how the Yxy color 30.0616, 0.2917, 0.5702 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 30.0616, 0.2917, 0.5702 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 ✓ Pass

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

Yxy 30.0616, 0.2917, 0.5702

Background



This preview shows how black text looks on a background with the Yxy color 30.0616, 0.2917, 0.5702.



This preview shows how white text looks on a background with the Yxy color 30.0616, 0.2917, 0.5702.

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

30.0616, 0.2917, 0.5702

Protanopia

29.4204, 0.4292, 0.4738

Deuteranopia

29.5256, 0.4453, 0.4381



Tritanopia

29.8853, 0.2358, 0.3066

Trichromacy



Original Color

30.0616, 0.2917, 0.5702



Protanomaly

27.3246, 0.3538, 0.5263



Deuteranomaly

26.8034, 0.3618, 0.5018



Tritanomaly

28.9745, 0.2555, 0.4044

Monochromacy



Original Color

30.0616, 0.2917, 0.5702



Achromatopsia

14.4128, 0.3127, 0.3290



Achromatomaly

17.7831, 0.2919, 0.4377

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.0616, 0.2917, 0.5702 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, 173, 43)` looks like.

```
.text, #text, p{  
    color:rgb(0, 173, 43)  
}
```

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, 173, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 173, 43) }
```

Border

The CSS property to change the border of an element to Yxy 30.0616, 0.2917, 0.5702 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, 173, 43) }
```

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

```
.border{ border-color:rgb(0, 173, 43) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 173, 43)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 173, 43); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 173, 43);  
box-shadow:4px 4px 4px 4px rgb(0, 173, 43)  
}
```


Background

The CSS property to change the background color of an element to Yxy 30.0616, 0.2917, 0.5702 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 173, 43) }
```

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

```
.background{ background-color: rgb(0, 173,  
43) }
```

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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