

Converting Colors

$Yxy(28.6936, 0.2989, 0.4906)$

Have a look what the booklet for
Yxy(28.6936, 0.2989, 0.4906)
contains.

Yxy(28.8821, 0.2989, 0.4901)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(28.8821, 0.2989, 0.4901)

Conversions

Conversions Part 1

Format	Color
Hex	48A551
RGB	72, 165, 81
RGB Percent	28%, 65%, 32%
CMY	0.7176, 0.3529, 0.6823
CMYK	0.56, 0.00, 0.51, 0.35
HSL	126°, 39%, 46%
HSV	126°, 56%, 65%
XYZ	17.6145, 28.8821, 12.4344
YIQ	127.6170, -28.4640, -45.8400

Conversions

Conversions Part 2

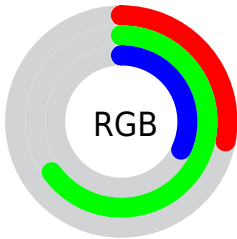
Format	Color
RYB	72, 157, 165
Decimal	4760913
CIELab	60.68, -45.44, 35.17
CIElCh	61, 57.460, 142.260
Yxy	28.8821, 0.2989, 0.4901
Android (android.graphics.Color)	4282950993 (0xFF48A551)
YUV	127.6170, -22.9822, -48.7761
Hunter-Lab	53.7421, -35.5435, 23.9014

Details

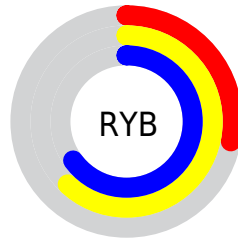
The Yxy color **28.8821, 0.2989, 0.4901** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **15.0372, 0.3312, 0.2089**, and the grayscale version is **21.5382, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.9680, 0.3044, 0.4534**, and **11.6926, 0.2876, 0.5554** is the 20% darker color. If you saturate the color by 10%, you get **28.1321, 0.2975, 0.5216**, and if you desaturate by 10%, it is **29.8537, 0.3009, 0.4574**.

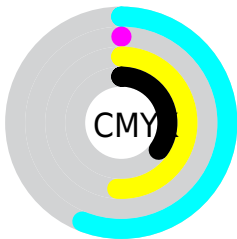
Distribution



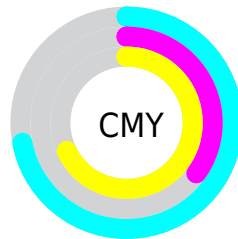
- Red (28%)
- Green (65%)
- Blue (32%)



- Red (28%)
- Yellow (62%)
- Blue (65%)



- Cyan (56%)
- Magenta (0%)
- Yellow (51%)
- Black (35%)




- Cyan (72%)
- Magenta (35%)
- Yellow (68%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.8821, 0.2989, 0.4901 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 28.8821, 0.2989, 0.4901 by changing the saturation by 10% instead.

 28.8821, 0.2989,
0.4901

 28.8821, 0.2989,
0.4901


296.6583, 0.3104,
0.3973

 18.9916, 0.2937,
0.5178


 57.8897, 0.3046,
0.4531


 11.6642, 0.2851,
0.5561


 77.7757, 0.3062,
0.4402

 6.5155, 0.2697,
0.6115


 101.7622, 0.3074,
0.4297

 3.1610, 0.2539,
0.7383

 130.2338, 0.3083,
0.4210

 1.2163, 0.0116,
0.9884

 163.5748, 0.3090,
0.4136

 0.0750, 0.0000,
1.0000

202.1696, 0.3096,

 0.0000, 0.0000,

0.4074

0.0000

246.4027, 0.3100,
0.4020

■ 28.8821, 0.2989,
0.4901

■ 28.8821, 0.2989,
0.4901

■ 28.1321, 0.2975,
0.5216

■ 29.8537, 0.3009,
0.4574

■ 27.5830, 0.2969,
0.5498

■ 31.0588, 0.3033,
0.4254

■ 27.2162, 0.2970,
0.5725

■ 32.5125, 0.3058,
0.3952

■ 27.0049, 0.2978,
0.5884

■ 34.2276, 0.3085,
0.3677

■ 26.9477, 0.2979,
0.5926

■ 36.2163, 0.3111,
0.3431

■ 38.4896, 0.3136,
0.3214

■ 41.0583, 0.3160,
0.3026

■ 43.9324, 0.3181,
0.2863

■ 47.1214, 0.3201,
0.2722

Harmonies

Analogous

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



28.8821, 0.3860, 0.4982



28.8821, 0.2989, 0.4901



28.8821, 0.2202, 0.4086

Triad

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



28.8821, 0.2989, 0.4901



28.8821, 0.1745, 0.1971



28.8821, 0.4763, 0.3203

Complementary

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



28.8821, 0.2989, 0.4901



15.0372, 0.3312, 0.2089

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.



28.8821, 0.4006, 0.2616



28.8821, 0.2989, 0.4901



28.8821, 0.2233, 0.1941

Square

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



28.8821, 0.2989, 0.4901



28.8821, 0.1570, 0.2315



28.8821, 0.3035, 0.2170



28.8821, 0.4961, 0.3853

Rectangle

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



28.8821, 0.2989, 0.4901



28.8821, 0.1835, 0.3375



28.8821, 0.3035, 0.2170



28.8821, 0.4562, 0.2997

Sweetspot

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



28.8833, 0.2989, 0.4901



60.9831, 0.3082, 0.3702



34.5720, 0.3839, 0.4643



13.2000, 0.3077, 0.3752



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



28.8833, 0.2989, 0.4901



50.0620, 0.2972, 0.5302



29.8020, 0.2682, 0.4014



7.9057, 0.3104, 0.3499



20.3898, 0.2977, 0.5917



0.4316, 0.2878, 0.5561

Inverse Universe

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



15.0372, 0.3312, 0.2089



22.7016, 0.3361, 0.1892



13.7793, 0.4056, 0.2701



7.1903, 0.3151, 0.3089



7.6980, 0.3464, 0.1682



0.1649, 0.3361, 0.1625

Previews

White Background



This preview shows how the Yxy color 28.8821, 0.2989, 0.4901 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 28.8821, 0.2989, 0.4901 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 28.8821, 0.2989, 0.4901

Background



This preview shows how black text looks on a background with the Yxy color 28.8821, 0.2989, 0.4901.



This preview shows how white text looks on a background with the Yxy color 28.8821, 0.2989, 0.4901.

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

28.8821, 0.2989, 0.4901

Protanopia

28.6292, 0.4004, 0.4373

Deuteranopia

28.3999, 0.4100, 0.4029



Tritanopia

28.5970, 0.2499, 0.3067

Trichromacy



Original Color

28.8821, 0.2989, 0.4901



Protanomaly

27.9854, 0.3569, 0.4584



Deuteranomaly

27.2390, 0.3628, 0.4351



Tritanomaly

28.5051, 0.2681, 0.3711

Monochromacy



Original Color

28.8821, 0.2989, 0.4901



Achromatopsia

21.5861, 0.3127, 0.3290



Achromatomaly

23.3856, 0.3069, 0.3863

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.8821, 0.2989, 0.4901 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(72, 165, 81)` looks like.

```
.text, #text, p{  
    color:rgb(72, 165, 81)  
}
```

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(72, 165, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 165, 81) }
```

Border

The CSS property to change the border of an element to Yxy 28.8821, 0.2989, 0.4901 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(72, 165, 81) }
```

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

```
.border{ border-color:rgb(72, 165, 81) }
```

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

Here you see how a box with a 4 pixel `rgb(72, 165, 81)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 165, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 165, 81);  
box-shadow:4px 4px 4px 4px rgb(72, 165,  
81) }
```


Background

The CSS property to change the background color of an element to Yxy 28.8821, 0.2989, 0.4901 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 165, 81) }
```

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

```
.background{ background-color: rgb(72, 165,  
81) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor