

Converting Colors

$Yxy(28.9899, 0.2886, 0.5590)$

Have a look what the booklet for
Yxy(28.9899, 0.2886, 0.5590)
contains.

Yxy(28.9885, 0.2885, 0.5586)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(28.9885, 0.2885, 0.5586)

Conversions

Conversions Part 1

Format	Color
Hex	00AA33
RGB	0, 170, 51
RGB Percent	0%, 67%, 20%
CMY	1.0000, 0.3333, 0.8001
CMYK	1.00, 0.00, 0.70, 0.33
HSL	138°, 100%, 33%
HSV	138°, 100%, 67%
XYZ	14.9717, 28.9885, 7.9347
YIQ	105.6040, -63.1210, -73.0490

Conversions

Conversions Part 2

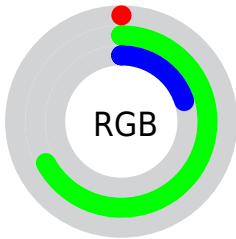
Format	Color
RYB	0, 131, 170
Decimal	43571
CIELab	60.77, -60.88, 48.83
CIELCh	61, 78.041, 141.270
Yxy	28.9885, 0.2885, 0.5586
Android (android.graphics.Color)	4278233651 (0xFF00AA33)
YUV	105.6040, -26.9198, -92.6147
Hunter-Lab	53.8410, -44.5858, 28.9509

Details

The Yxy color **28.9885, 0.2885, 0.5586** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **9.8791, 0.4139, 0.2053**, and the grayscale version is **14.3868, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.2648, 0.2991, 0.5055**, and **12.4908, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **28.9897, 0.2885, 0.5586**, and if you desaturate by 10%, it is **29.2276, 0.2858, 0.5389**.

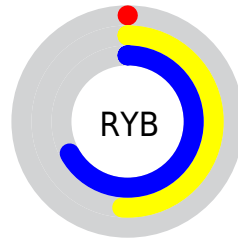
Distribution



Red (0%)

Green (67%)

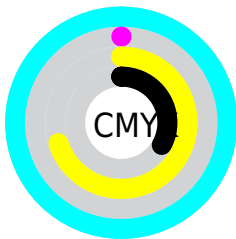
Blue (20%)



Red (0%)

Yellow (51%)

Blue (67%)

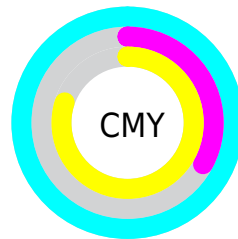


Cyan (100%)

Magenta (0%)

Yellow (70%)

Black (33%)



Cyan (100%)


Magenta (33%)


Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.9885, 0.2885, 0.5586 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 28.9885, 0.2885, 0.5586 by changing the saturation by 10% instead.

 28.9885, 0.2885,
0.5586


 28.9885, 0.2885,
0.5586


297.1607, 0.3099,
0.4252

 19.0721, 0.2783,
0.5974


 58.0588, 0.2994,
0.5057


 11.7224, 0.2616,
0.6494


 77.9815, 0.3025,
0.4871

 6.5549, 0.2362,
0.7308


 102.0085, 0.3047,
0.4720

 3.1854, 0.1800,
0.8200

 130.5241, 0.3063,
0.4594

 1.2293, 0.0000,
1.0000

 163.9127, 0.3076,
0.4488

 0.0854, 0.0000,
1.0000

 202.5588, 0.3085,

 0.0000, 0.0000,

0.4398

0.0000

246.8466, 0.3093,
0.4320

■ 28.9885, 0.2885,
0.5586

■ 28.9885, 0.2885,
0.5586

■ 28.9897, 0.2885,
0.5586

■ 29.2276, 0.2858,
0.5389

■ 29.5960, 0.2841,
0.5159

■ 30.1377, 0.2840,
0.4906

■ 30.8729, 0.2855,
0.4641

■ 31.8188, 0.2883,
0.4376

■ 32.9907, 0.2922,
0.4121

■ 34.4025, 0.2968,
0.3882

■ 36.0669, 0.3020,
0.3663

■ 37.9957, 0.3073,
0.3465

Harmonies

Analogous

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



28.9885, 0.3979, 0.5475



28.9885, 0.2885, 0.5586



28.9885, 0.1905, 0.4443

Triad

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



28.9885, 0.2885, 0.5586



28.9885, 0.1381, 0.1621



28.9885, 0.5301, 0.3073

Complementary

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



28.9885, 0.2885, 0.5586



9.8791, 0.4139, 0.2053

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.



28.9885, 0.4253, 0.2387



28.9885, 0.2885, 0.5586



28.9885, 0.1940, 0.1596

Square

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



28.9885, 0.2885, 0.5586



28.9885, 0.1183, 0.2009



28.9885, 0.2937, 0.1862



28.9885, 0.5508, 0.3835

Rectangle

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



28.9885, 0.2885, 0.5586



28.9885, 0.1468, 0.3399



28.9885, 0.2937, 0.1862



28.9885, 0.5029, 0.2834

Sweetspot

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



28.9897, 0.2885, 0.5586



62.2657, 0.2966, 0.3894



32.8766, 0.3704, 0.5441



13.6417, 0.2946, 0.3990



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.



28.9897, 0.2885, 0.5586



52.5624, 0.2893, 0.5616



30.4491, 0.2443, 0.3995



8.4434, 0.3077, 0.3452



21.3329, 0.2880, 0.5567



0.5279, 0.2690, 0.4884

Inverse Universe

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



9.8791, 0.4139, 0.2053



17.8836, 0.4159, 0.2065



8.6790, 0.6016, 0.3088



7.6277, 0.3181, 0.3133



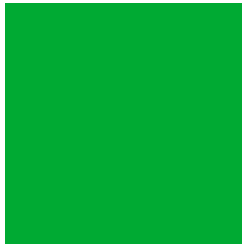
7.2770, 0.4126, 0.2047



0.1854, 0.3761, 0.1845

Previews

White Background



This preview shows how the Yxy color 28.9885, 0.2885, 0.5586 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 28.9885, 0.2885, 0.5586 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

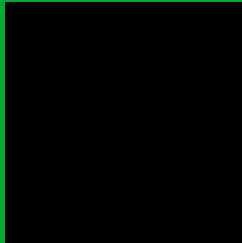
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.9885, 0.2885, 0.5586

Background



This preview shows how black text looks on a background with the Yxy color 28.9885, 0.2885, 0.5586.



This preview shows how white text looks on a background with the Yxy color 28.9885, 0.2885, 0.5586.

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

28.9885, 0.2885, 0.5586

Protanopia

28.5338, 0.4238, 0.4676

Deuteranopia

28.3485, 0.4405, 0.4304



Tritanopia

29.0400, 0.2352, 0.3063

Trichromacy



Original Color

28.9885, 0.2885, 0.5586



Protanomaly

26.5910, 0.3490, 0.5172



Deuteranomaly

25.7630, 0.3570, 0.4908



Tritanomaly

28.2884, 0.2531, 0.3970

Monochromacy



Original Color

28.9885, 0.2885, 0.5586



Achromatopsia

14.4128, 0.3127, 0.3290



Achromatomaly

17.5657, 0.2890, 0.4286

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.9885, 0.2885, 0.5586 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, 170, 51)` looks like.

```
.text, #text, p{  
    color:rgb(0, 170, 51)  
}
```

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, 170, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 170, 51) }
```

Border

The CSS property to change the border of an element to Yxy 28.9885, 0.2885, 0.5586 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, 170, 51) }
```

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

```
.border{ border-color:rgb(0, 170, 51) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 170, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 170, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 170, 51);  
box-shadow:4px 4px 4px 4px rgb(0, 170, 51)  
}
```


Background

The CSS property to change the background color of an element to Yxy 28.9885, 0.2885, 0.5586 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 170, 51) }
```

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

```
.background{ background-color: rgb(0, 170,  
51) }
```

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