

Converting Colors

$Yxy(28.8373, 0.2870, 0.4980)$

Have a look what the booklet for
Yxy(28.8373, 0.2870, 0.4980)
contains.

Yxy(28.9353, 0.2869, 0.4981)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(28.9353, 0.2869, 0.4981)

Conversions

Conversions Part 1

Format	Color
Hex	33A751
RGB	51, 167, 81
RGB Percent	20%, 65%, 32%
CMY	0.8003, 0.3451, 0.6824
CMYK	0.70, 0.00, 0.52, 0.35
HSL	136°, 53%, 43%
HSV	136°, 70%, 65%
XYZ	16.6664, 28.9353, 12.4896
YIQ	122.5120, -41.5300, -51.3380

Conversions

Conversions Part 2

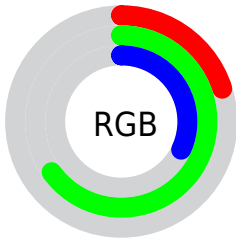
Format	Color
RYB	51, 143, 167
Decimal	3385169
CIELab	60.72, -50.85, 35.11
CIELCh	61, 61.793, 145.379
Yxy	28.9353, 0.2869, 0.4981
Android (android.graphics.Color)	4281575249 (0xFF33A751)
YUV	122.5120, -20.4654, -62.7160
Hunter-Lab	53.7915, -38.8300, 23.8878

Details

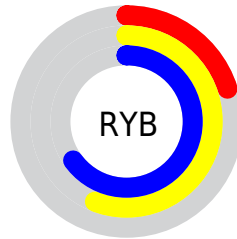
The Yxy color **28.9353, 0.2869, 0.4981** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **12.3830, 0.3672, 0.2102**, and the grayscale version is **19.7115, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.8860, 0.2951, 0.4588**, and **12.1389, 0.2880, 0.5569** is the 20% darker color. If you saturate the color by 10%, you get **28.4094, 0.2869, 0.5242**, and if you desaturate by 10%, it is **29.6531, 0.2883, 0.4704**.

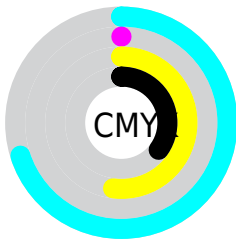
Distribution



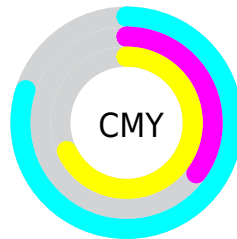
- Red (20%)
- Green (65%)
- Blue (32%)



- Red (20%)
- Yellow (56%)
- Blue (65%)



- Cyan (70%)
- Magenta (0%)
- Yellow (52%)
- Black (35%)





- Cyan (80%)
- Magenta (35%)
- Yellow (68%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.9353, 0.2869, 0.4981 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 28.9353, 0.2869, 0.4981 by changing the saturation by 10% instead.


 28.9353, 0.2869,
0.4981


 28.9353, 0.2869,
0.4981


296.9096, 0.3051,
0.4001

 19.0319, 0.2797,
0.5276


 57.9743, 0.2952,
0.4589


 11.6933, 0.2685,
0.5685


 77.8786, 0.2978,
0.4453


 6.5352, 0.2493,
0.6279


 101.8854, 0.2998,
0.4342

 3.1732, 0.2267,
0.7628

 130.3790, 0.3013,
0.4250

 1.2228, 0.0000,
1.0000

 163.7438, 0.3026,
0.4173

 0.0802, 0.0000,
1.0000

202.3643, 0.3036,

 0.0000, 0.0000,

0.4107

0.0000

246.6247, 0.3044,
0.4051

■ 28.9353, 0.2869,
0.4981

■ 28.9353, 0.2869,
0.4981

■ 28.4094, 0.2869,
0.5242

■ 29.6531, 0.2883,
0.4704

■ 28.0524, 0.2885,
0.5475

■ 30.5761, 0.2909,
0.4426

■ 27.8266, 0.2909,
0.5668

■ 31.7201, 0.2945,
0.4157

■ 27.8166, 0.2910,
0.5676

■ 33.0987, 0.2987,
0.3905

■ 34.7242, 0.3033,
0.3674

■ 36.6080, 0.3081,
0.3466

■ 38.7609, 0.3130,
0.3281

■ 41.1930, 0.3177,
0.3119

■ 43.9139, 0.3222,
0.2977

Harmonies

Analogous

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



28.9353, 0.3794, 0.5128



28.9353, 0.2869, 0.4981



28.9353, 0.2063, 0.4028

Triad

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



28.9353, 0.2869, 0.4981



28.9353, 0.1702, 0.1874



28.9353, 0.4936, 0.3252

Complementary

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



28.9353, 0.2869, 0.4981



12.3830, 0.3672, 0.2102

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.



28.9353, 0.4172, 0.2629



28.9353, 0.2869, 0.4981



28.9353, 0.2247, 0.1877

Square

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



28.9353, 0.2869, 0.4981



28.9353, 0.1486, 0.2189



28.9353, 0.3129, 0.2143



28.9353, 0.5064, 0.3936

Rectangle

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



28.9353, 0.2869, 0.4981



28.9353, 0.1706, 0.3258



28.9353, 0.3129, 0.2143



28.9353, 0.4742, 0.3035

Sweetspot

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



28.9365, 0.2869, 0.4981



61.6007, 0.3024, 0.3715



33.2812, 0.3749, 0.5011



13.6079, 0.3012, 0.3775



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



28.9365, 0.2869, 0.4981



50.5187, 0.2875, 0.5363



30.1772, 0.2510, 0.3831



8.4385, 0.3082, 0.3462



21.2903, 0.2906, 0.5661



0.5261, 0.2725, 0.5008

Inverse Universe

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



12.3830, 0.3672, 0.2102



18.9355, 0.3829, 0.1988



11.1568, 0.4825, 0.2900



7.6329, 0.3175, 0.3124



7.4036, 0.3979, 0.1966



0.1878, 0.3676, 0.1799

Previews

White Background



This preview shows how the Yxy color 28.9353, 0.2869, 0.4981 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 28.9353, 0.2869, 0.4981 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 28.9353, 0.2869, 0.4981

Background



This preview shows how black text looks on a background with the Yxy color 28.9353, 0.2869, 0.4981.



This preview shows how white text looks on a background with the Yxy color 28.9353, 0.2869, 0.4981.

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

28.9353, 0.2869, 0.4981

Protanopia

28.6292, 0.4004, 0.4373

Deuteranopia

28.3999, 0.4100, 0.4029



Tritanopia

28.7217, 0.2414, 0.3064

Trichromacy



Original Color

28.9353, 0.2869, 0.4981



Protanomaly

27.7120, 0.3477, 0.4637



Deuteranomaly

26.9761, 0.3543, 0.4395



Tritanomaly

28.5899, 0.2573, 0.3718

Monochromacy



Original Color

28.9353, 0.2869, 0.4981



Achromatopsia

19.4618, 0.3127, 0.3290



Achromatomaly

21.7253, 0.2984, 0.3913

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.9353, 0.2869, 0.4981 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(51, 167, 81)` looks like.

```
.text, #text, p{  
    color:rgb(51, 167, 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(51, 167, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 167, 81) }
```

Border

The CSS property to change the border of an element to Yxy 28.9353, 0.2869, 0.4981 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(51, 167, 81) }
```

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

```
.border{ border-color:rgb(51, 167, 81) }
```

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

Here you see how a box with a 4 pixel rgb(51, 167, 81) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 167, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 167, 81);  
box-shadow:4px 4px 4px 4px rgb(51, 167,  
81) }
```


Background

The CSS property to change the background color of an element to Yxy 28.9353, 0.2869, 0.4981 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 167, 81) }
```

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

```
.background{ background-color: rgb(51, 167,  
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