

Converting Colors

$Y_{xy}(28.3745, 0.2899, 0.4331)$

Have a look what the booklet for
Yxy(28.3745, 0.2899, 0.4331)
contains.

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Color

Yxy(28.4152, 0.2900, 0.4336)

Conversions

Conversions Part 1

Format	Color
Hex	54A16A
RGB	84, 161, 106
RGB Percent	33%, 63%, 42%
CMY	0.6704, 0.3686, 0.5844
CMYK	0.48, 0.00, 0.34, 0.37
HSL	137°, 31%, 48%
HSV	137°, 48%, 63%
XYZ	19.0046, 28.4152, 18.1134
YIQ	131.7070, -28.2370, -33.4290

Conversions

Conversions Part 2

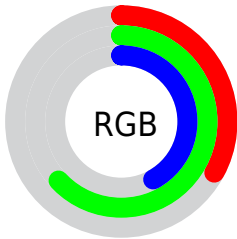
Format	Color
R_{YB}	84, 144, 161
Decimal	5546346
CIE _{Lab}	60.26, -36.34, 21.49
CIE _{LCh}	60, 42.217, 149.400
Yxy	28.4152, 0.2900, 0.4336
Android (android.graphics.Color)	4283736426 (0xFF54A16A)
YUV	131.7070, -12.6736, -41.8390
Hunter-Lab	53.3059, -29.6465, 17.1674

Details

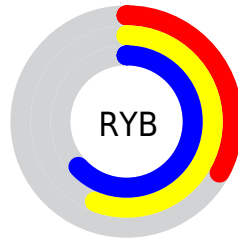
The Yxy color **28.4152, 0.2900, 0.4336** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **15.7904, 0.3487, 0.2443**, and the grayscale version is **23.0212, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.9836, 0.2957, 0.4089**, and **11.4896, 0.2788, 0.4774** is the 20% darker color. If you saturate the color by 10%, you get **27.5329, 0.2870, 0.4603**, and if you desaturate by 10%, it is **29.5028, 0.2939, 0.4080**.

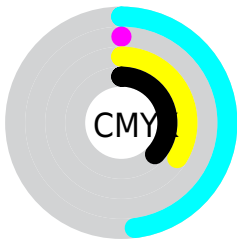
Distribution



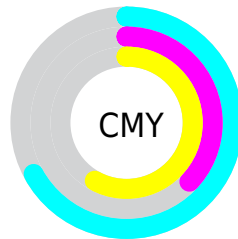
- Red (33%)
- Green (63%)
- Blue (42%)



- Red (33%)
- Yellow (56%)
- Blue (63%)



- Cyan (48%)
- Magenta (0%)
- Yellow (34%)
- Black (37%)





- Cyan (67%)
- Magenta (37%)
- Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.4152, 0.2900, 0.4336 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 28.4152, 0.2900, 0.4336 by changing the saturation by 10% instead.


 28.4152, 0.2900,
0.4336


 28.4152, 0.2900,
0.4336


294.4456, 0.3040,
0.3738


 18.6389, 0.2853,
0.4515


 57.1466, 0.2959,
0.4098


 11.4096, 0.2784,
0.4767


 76.8706, 0.2978,
0.4015


 6.3431, 0.2673,
0.5143


 100.6791, 0.2994,
0.3948

 3.0548, 0.2473,
0.5756

 128.9568, 0.3006,
0.3892

 1.1604, 0.1424,
0.8576

 162.0878, 0.3017,
0.3844

 0.0290, 0.0000,
1.0000

200.4567, 0.3026,

 0.0000, 0.0000,

0.3804

0.0000

244.4479, 0.3033,
0.3769

■ 28.4152, 0.2900,
0.4336

■ 28.4152, 0.2900,
0.4336

■ 27.5329, 0.2870,
0.4603

■ 29.5028, 0.2939,
0.4080

■ 26.8392, 0.2853,
0.4873

■ 30.8041, 0.2985,
0.3841

■ 26.3205, 0.2850,
0.5132

■ 32.3312, 0.3035,
0.3623


■ 25.9599, 0.2863,
0.5369


■ 34.0944, 0.3087,
0.3427

■ 25.7291, 0.2888,
0.5573

■ 36.1033, 0.3138,
0.3254

 25.6857, 0.2893,
0.5614

 38.3669, 0.3189,
0.3101

 40.8938, 0.3238,
0.2967

 43.6922, 0.3284,
0.2851

 46.7699, 0.3328,
0.2749

Harmonies

Analogous

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



28.4152, 0.3572, 0.4569



28.4152, 0.2900, 0.4336



28.4152, 0.2325, 0.3694

Triad

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



28.4152, 0.2900, 0.4336



28.4152, 0.2124, 0.2244



28.4152, 0.4418, 0.3381

Complementary

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



28.4152, 0.2900, 0.4336



15.7904, 0.3487, 0.2443

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.



28.4152, 0.3941, 0.2886



28.4152, 0.2900, 0.4336



28.4152, 0.2581, 0.2261

Square

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



28.4152, 0.2900, 0.4336



28.4152, 0.1921, 0.2475



28.4152, 0.3241, 0.2490



28.4152, 0.4486, 0.3903

Rectangle

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



28.4152, 0.2900, 0.4336



28.4152, 0.2067, 0.3204



28.4152, 0.3241, 0.2490



28.4152, 0.4299, 0.3210

Sweetspot

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



28.4164, 0.2900, 0.4336



58.9707, 0.3053, 0.3551



31.6358, 0.3583, 0.4529



12.7972, 0.3043, 0.3592



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290

Same Dimension

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



28.4164, 0.2900, 0.4336



49.2718, 0.2869, 0.4611



29.3997, 0.2620, 0.3589



7.9267, 0.3079, 0.3455



20.5211, 0.2889, 0.5599



0.4389, 0.2690, 0.4883

Inverse Universe

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



15.7904, 0.3487, 0.2443



23.9675, 0.3594, 0.2284



14.8586, 0.4115, 0.3026



7.1676, 0.3179, 0.3131



7.0493, 0.4070, 0.2016



0.1556, 0.3698, 0.1811

Previews

White Background



This preview shows how the Yxy color 28.4152, 0.2900, 0.4336 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 28.4152, 0.2900, 0.4336 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 28.4152, 0.2900, 0.4336

Background



This preview shows how black text looks on a background with the Yxy color 28.4152, 0.2900, 0.4336.



This preview shows how white text looks on a background with the Yxy color 28.4152, 0.2900, 0.4336.

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

28.4152, 0.2900, 0.4336

Protanopia

27.9153, 0.3722, 0.4006

Deuteranopia

28.1590, 0.3784, 0.3715



Tritanopia

28.4610, 0.2544, 0.3085

Trichromacy



Original Color

28.4152, 0.2900, 0.4336

Protanomaly

27.5178, 0.3374, 0.4124

Deuteranomaly

27.4605, 0.3415, 0.3933

Tritanomaly

28.4547, 0.2674, 0.3522

Monochromacy



Original Color

28.4152, 0.2900, 0.4336

Achromatopsia

23.0740, 0.3127, 0.3290

Achromatomaly

24.7198, 0.3027, 0.3656

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.4152, 0.2900, 0.4336 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(84, 161, 106)` looks like.

```
.text, #text, p{  
    color:rgb(84, 161, 106)  
}
```

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(84, 161, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 161, 106) }
```

Border

The CSS property to change the border of an element to Yxy 28.4152, 0.2900, 0.4336 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(84, 161, 106) }
```

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

```
.border{ border-color:rgb(84, 161, 106) }
```

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

Here you see how a box with a 4 pixel `rgb(84, 161, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 161, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 161, 106);  
box-shadow:4px 4px 4px 4px rgb(84, 161,  
106) }
```


Background

The CSS property to change the background color of an element to Yxy 28.4152, 0.2900, 0.4336 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 161, 106) }
```

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

```
.background{ background-color: rgb(84, 161,  
106) }
```

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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