

Converting Colors

$Y_{xy}(28.4713, 0.2931, 0.4398)$

Have a look what the booklet for
Yxy(28.4713, 0.2931, 0.4398)
contains.

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Color

$Y_{xy}(28.4003, 0.2929, 0.4393)$

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 55A167 |
| RGB | 85, 161, 103 |
| RGB Percent | 33%, 63%, 40% |
| CMY | 0.6669, 0.3686, 0.5961 |
| CMYK | 0.47, 0.00, 0.36, 0.37 |
| HSL | 134°, 31%, 48% |
| HSV | 134°, 47%, 63% |
| XYZ | 18.9357, 28.4003, 17.3130 |
| YIQ | 131.6640, -26.6780, -34.1500 |

Conversions

Conversions Part 2

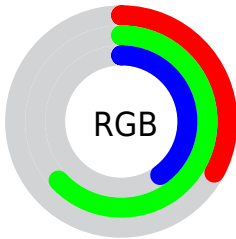
| Format | Color |
|-------------------------------------|---------------------------------|
| RYB | 85, 146, 161 |
| Decimal | 5611879 |
| CIELab | 60.25, -36.63, 23.11 |
| CIElCh | 60, 43.316, 147.753 |
| Yxy | 28.4003, 0.2929, 0.4393 |
| Android (android.graphics.Color) | 4283801959 (0xFF55A167) |
| YUV | 131.6640, -14.1314, -40.9243 |
| Hunter-Lab | 53.2919, -29.8363, 18.0428 |

Details

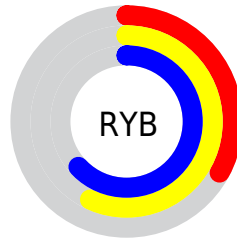
The Yxy color $28.4003, 0.2929, 0.4393$ is a dark color, and the websafe version is hex 339966 . A complement of this color would be $16.0500, 0.3427, 0.2402$, and the grayscale version is $23.0024, 0.3127, 0.3290$.

A 20% lighter version of the original color is $56.9673, 0.2981, 0.4130$, and $11.4743, 0.2822, 0.4858$ is the 20% darker color. If you saturate the color by 10%, you get $27.5034, 0.2902, 0.4677$, and if you desaturate by 10%, it is $29.5072, 0.2964, 0.4120$.

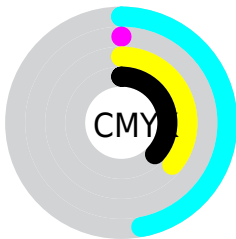
Distribution



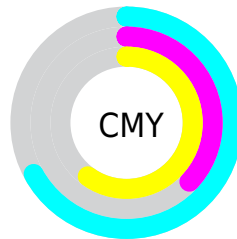
- Red (33%)
- Green (63%)
- Blue (40%)



- Red (33%)
- Yellow (57%)
- Blue (63%)



- Cyan (47%)
- Magenta (0%)
- Yellow (36%)
- Black (37%)



- Cyan (67%)
- Magenta (37%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.4003, 0.2929, 0.4393 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 28.4003, 0.2929, 0.4393 by changing the saturation by 10% instead.


 28.4003, 0.2929,
0.4393


 28.4003, 0.2929,
0.4393


294.3748, 0.3055,
0.3762

 18.6276, 0.2885,
0.4583


 57.1229, 0.2983,
0.4142


 11.4015, 0.2819,
0.4848


 76.8416, 0.3001,
0.4054

 6.3376, 0.2711,
0.5244


 100.6445, 0.3014,
0.3983

 3.0514, 0.2513,
0.5894

 128.9159, 0.3026,
0.3924

 1.1586, 0.1371,
0.8629

162.0402, 0.3035,
0.3874

 0.0275, 0.0000,
1.0000

200.4019, 0.3043,

 0.0000, 0.0000,

0.3831

0.0000

244.3853, 0.3049,
0.3794

■ 28.4003, 0.2929,
0.4393

■ 28.4003, 0.2929,
0.4393

■ 27.5034, 0.2902,
0.4677

■ 29.5072, 0.2964,
0.4120

■ 26.7996, 0.2886,
0.4960

■ 30.8328, 0.3005,
0.3866

■ 26.2752, 0.2883,
0.5229


■ 32.3894, 0.3049,
0.3634

■ 25.9129, 0.2894,
0.5470


■ 34.1874, 0.3095,
0.3426

■ 25.6862, 0.2916,
0.5669


■ 36.2367, 0.3139,
0.3241

 25.6344, 0.2921,
0.5717

 38.5465, 0.3183,
0.3080

 41.1256, 0.3225,
0.2939

 43.9823, 0.3264,
0.2816

 47.1246, 0.3301,
0.2710

Harmonies

Analogous

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



28.4003, 0.3617, 0.4602



28.4003, 0.2929, 0.4393



28.4003, 0.2331, 0.3746

Triad

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



28.4003, 0.2929, 0.4393



28.4003, 0.2083, 0.2226



28.4003, 0.4435, 0.3351

Complementary

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



28.4003, 0.2929, 0.4393



16.0500, 0.3427, 0.2402

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.



28.4003, 0.3926, 0.2850



28.4003, 0.2929, 0.4393



28.4003, 0.2535, 0.2231

Square

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



28.4003, 0.2929, 0.4393



28.4003, 0.1890, 0.2475



28.4003, 0.3203, 0.2454



28.4003, 0.4528, 0.3885

Rectangle

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



28.4003, 0.2929, 0.4393



28.4003, 0.2059, 0.3240



28.4003, 0.3203, 0.2454



28.4003, 0.4305, 0.3177

Sweetspot

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



28.4015, 0.2929, 0.4393



58.9104, 0.3063, 0.3569



32.0116, 0.3619, 0.4498



12.7824, 0.3054, 0.3613



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.



28.4015, 0.2929, 0.4393



49.1316, 0.2900, 0.4700



29.3374, 0.2651, 0.3656



7.9213, 0.3085, 0.3466



20.4762, 0.2918, 0.5704



0.4370, 0.2733, 0.5038

Inverse Universe

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



16.0500, 0.3427, 0.2402



24.1969, 0.3521, 0.2225



15.0925, 0.4032, 0.2967



7.1733, 0.3172, 0.3120



7.1966, 0.3902, 0.1923



0.1578, 0.3607, 0.1760

Previews

White Background



This preview shows how the Yxy color 28.4003, 0.2929, 0.4393 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 28.4003, 0.2929, 0.4393 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 28.4003, 0.2929, 0.4393

Background



This preview shows how black text looks on a background with the Yxy color 28.4003, 0.2929, 0.4393.



This preview shows how white text looks on a background with the Yxy color 28.4003, 0.2929, 0.4393.

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

28.4003, 0.2929, 0.4393

Protanopia

27.9591, 0.3764, 0.4050

Deuteranopia

27.8057, 0.3822, 0.3746



Tritanopia

28.1883, 0.2549, 0.3068

Trichromacy



Original Color

28.4003, 0.2929, 0.4393

Protanomaly

27.5388, 0.3412, 0.4173

Deuteranomaly

27.0873, 0.3448, 0.3969

Tritanomaly

28.1398, 0.2687, 0.3522

Monochromacy



Original Color

28.4003, 0.2929, 0.4393

Achromatopsia

23.0740, 0.3127, 0.3290

Achromatomaly

24.6702, 0.3046, 0.3694

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.4003, 0.2929, 0.4393 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(85, 161, 103)` looks like.

```
.text, #text, p{  
    color:rgb(85, 161, 103)  
}
```

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(85, 161, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 161, 103) }
```

Border

The CSS property to change the border of an element to Yxy 28.4003, 0.2929, 0.4393 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(85, 161, 103) }
```

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

```
.border{ border-color:rgb(85, 161, 103) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 161, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 161, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 161, 103);  
box-shadow:4px 4px 4px 4px rgb(85, 161,  
103) }
```


Background

The CSS property to change the background color of an element to Yxy 28.4003, 0.2929, 0.4393 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 161, 103) }
```

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

```
.background{ background-color: rgb(85, 161,  
103) }
```

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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